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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

JANUARY 1933.

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REPORT

During the month of January 1933 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births of 3,859 living children, of whom 1,997 were males and 1,862 were females. Compared with the number in the previous month, births of male children are 30 more, but those of female children are 25 fewer, and of children of both sexes 5 more. The monthly birth-rate in these towns taken collectively was 18·1 per thousand. This rate is 0·2 below that for the previous month, and is 2·4 below the average.

In the individual towns the monthly birth-rate ranged from 22·6 in Hamilton, 22·0 in Motherwell and Wishaw, and 20·8 in Kilmarnock, to 13·8 in Clydebank, 14·0 in Dunfermline, and 15·2 in Edinburgh. In Glasgow the rate was 19·3, in Coatbridge 19·1, in Greenock 18·9, in Paisley 18·7, in Aberdeen 18·4, in Dundee 17·8, in Ayr 17·4, in Kirkcaldy 17·0, in Falkirk 16·1, and in Perth 15·4.

Of the 3,859 living children whose births were registered during the month, 3,623, or 93·9 per cent., were legitimate, while 236, or 6·1 per cent., were illegitimate. The legitimate children numbered 25 fewer than in the previous month, but the illegitimate children were 30 more. The illegitimate rate for the month is 0·8 above that for the previous month. In the individual towns it ranged from 17·4 in Perth, 9·3 in Dundee, and 9·0 in Aberdeen, to 0·0 in Dunfermline, 1·5 in Kilmarnock, and 2·8 in Coatbridge.

Marriages registered during the month numbered 2,022, and are 154 more than in the previous month. The marriage-rate, 9·5 per thousand, is 0·6 above that for the previous month, and 0·1 above the average. In the individual towns it

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

EDINBURGH

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ranged from 13·6 in Falkirk, 12·1 in Dunfermline, and 11·3 in Coatbridge, to 4·0 in Greenock, 6·7 in Hamilton, and 6·7 in Ayr.

Deaths registered in these towns during the month numbered 4,599, and are 616 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 4,355, of whom 2,165 were males and 2,190 were females. The corrected number is 564 more than in the previous month, males being 262 more and females 302 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 20·5 per thousand, being 2·5 above that for the previous month, and 1·4 above the average, or 4·3 above if the abnormal rate of 30·7 in 1929 be excluded. In the towns taken individually the rate ranged from 31·0 in Perth, 29·0 in Dundee, and 25·3 in Greenock, to 12·4 in Ayr, 14·3 in Clydebank, and 18·4 in Paisley. In Falkirk it was 25·2, in Aberdeen 24·6, in Kirkcaldy 22·8, in Kilmarnock 21·1, in Motherwell and Wishaw 20·9, in Dunfermline 20·9, in Coatbridge 20·2, in Edinburgh 19·3, in Hamilton 18·9, and in Glasgow 18·7.

Deaths of children of less than one year old numbered 589, and equalled an infantile mortality rate of 146 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 65 more than in the previous month, while the rate is 17 more than in that month, and 15 above the average. In the individual towns it ranged from 186 in Kirkcaldy, 185 in Kilmarnock, and 178 in Motherwell and Wishaw, to 44 in Dunfermline, 83 in Ayr, and 85 in Falkirk. In Coatbridge it was 174, in Dundee 173, in Paisley 170, in Greenock 160, in Perth 156, in Glasgow 154, in Clydebank 150, in Hamilton 149, in Aberdeen 132, and in Edinburgh 101.

Deaths from the principal epidemic diseases numbered 638, and equalled a rate of 3·0 per thousand. These deaths are 214 more than in the previous month, and the rate is 1·0 more than in that month. They include 2 from typhoid fever, 4 from measles, 13 from scarlet fever, 113 from whooping-cough, 18 from diphtheria, 444 from influenza, 21 from cerebro-spinal fever, and 23 from other epidemic diseases, of which 12 were ascribed to erysipelas, 9 to lethargic encephalitis, 1 to dysentery, and 1 to acute poliomyelitis. Compared with the number in the previous month, deaths from influenza are 164 more, from whooping-cough 41 more, from other epidemic diseases 13 more, from cerebro-spinal fever 5 more, and from measles 3 more, but those from typhoid fever are 1 fewer, from scarlet fever 1 fewer, and from diphtheria 10 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 1056, and equalled a death-rate of 5·0 per thousand. Compared with the previous month these deaths are 68 more, while the rate is 0·3 more, but is 0·1 below the average, or if the abnormal rate of 11·4 in 1929 be excluded, it is 1·5 above.

Deaths from all forms of tuberculosis numbered 264, of which 224 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 55 more, and from respiratory tuberculosis 53 more. Compared with the average for January the former are 29 more, and the latter are 46 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JANUARY 1933.

Mean barometric pressure, 29·992 in.; greater than the average of 1881-1915 by 0·124 in.

Mean temperature, 36°·3 F.; less by 1°·8 F.

Mean daily range of temperature, 8°·6 F.; less by 0°·2 F.

Rain, depth in inches, 3·58; greater by 0·36 in.

Wind, direction of: a 6 days' excess of south to south-west winds.

Deep low pressure systems in the vicinity of Iceland gave rise during the first half of the month to unsettled, rather mild and at times stormy weather. About the 20th anticyclonic conditions became established and these persisted until the 30th, being accompanied by mainly cold quiet weather. The month ended with a return to mild unsettled conditions. The extremes of pressure at Edinburgh were 30·77 in. on 24th and 28·86 in. on 2nd.

During the first ten days of the month temperatures were well above the average, day maxima frequently being over 50° F. in many districts; on the 2nd the temperature rose to 57° F. at Fort William; this figure was also reached at Dunbar on the 8th. The low temperatures experienced during the anticyclonic spell brought both the day and night temperatures in the mean below the average; locally during the cold spell the maximum temperature failed to rise above 32° F. On the 28th the maximum at Renfrew was only 26° F. At Logie Coldstone the screen minimum was 4° F. on 19th and 9° F. on 20th; at Braemar 6° F. on 19th and 10° F. on 20th, and at Balmoral 9° F. on 19th and 10° F. on 20th. Ground frost was reported from one place or another on each day; the coldest morning was probably the 19th, when the grass temperature at Braemar fell to -1° F., at Balmoral to 1° F. and at Logie Coldstone to 3° F.

All along the eastern seaboard, with the exception of Fife, and locally in the west, rainfall totals were below the average, the greatest deficiency occurring in the extreme north-east. Elsewhere the rainfall was above the average. The heaviest falls occurred during the opening days of the month and on the last day, the greatest being those on the 2nd, 3rd and 31st; on each of these days falls locally exceeded 2 in., particularly in the west. On the 31st 3·82 in. fell at Tyndrum, 3·30 in. at Kinlochquoich, 3·14 in. at Evan Water and 3·06 in. at Achnacarry.

Snow, sleet, or hail fell between the 3rd and 6th and again between the 15th and the end of the month. The most widespread snow fell around the 17th and on the 30th, and tended to lie between the 17th and 30th. The heaviest fall was probably that of 30th, when from 6 to 9 inches were reported from the Glasgow area. Local thunderstorms were noted on the 2nd, 4th, 5th, 6th and 7th. During the first ten days, around the 14th and 21st and again on the 31st gales were frequent, those of 2nd, 14th and 31st being perhaps the most widespread. On the 2nd a gust of 80 m.p.h. was recorded at Butt of Lewis and on the same day one of 73 m.p.h. at Edinburgh and Kirkwall.

Fog occurred between 10th and 13th, 16th and 21st and 23rd to 30th, being very dense at times locally. Aurora was observed on 9 different nights.

Sunshine aggregates were everywhere above the normal, the excess in Edinburgh being 30 hours.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 8.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JANUARY 1933.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1931. (Pre- liminary.)	Estimated to middle of 1933.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,088,417	1,111,600	925	894	1819	1706	113	956	996	896	1892	168	45	1769
EDINBURGH, . .	488,998	451,900	324	261	585	558	27	347	386	429	815	94	18	739
DUNDEE, . . .	175,583	177,500	137	131	268	243	25	168	202	251	453	21	5	437
ABERDEEN, . .	167,259	170,900	134	133	267	243	24	112	168	209	377	46	26	357
PAISLEY, . . .	86,441	88,300	67	73	140	134	6	59	64	80	144	9	3	138
GREENOCK, . .	73,948	79,700	66	62	128	117	11	27	85	89	174	10	7	171
MOTHERWELL AND WISHAW, .	64,703	65,900	52	71	123	119	4	53	47	55	102	1	16	117
CLYDEBANK, . .	46,963	48,700	30	27	57	54	3	30	18	16	34	0	25	59
KIRKCALDY, . .	43,874	44,400	28	36	64	62	2	42	46	39	85	7	8	86
COATBRIDGE, . .	43,056	43,700	33	38	71	69	2	42	39	33	72	2	5	75
KILMARNOCK, . .	38,099	38,600	36	32	68	67	1	33	43	29	72	9	6	69
HAMILTON, . . .	37,863	38,500	41	33	74	69	5	22	31	26	57	1	6	62
AYR,	36,784	37,200	41	14	55	53	2	21	28	23	51	18	6	39
FALKIRK, . . .	36,565	37,300	36	15	51	48	3	43	47	45	92	15	3	80
DUNFERMLINE, .	34,954	36,100	21	22	43	43	0	37	36	32	68	5	1	64
PERTH,	34,807	35,300	26	20	46	33	8	30	57	54	111	21	3	93
TOTAL (SIXTEEN TOWNS)	2,453,319	2,505,600	1997	1862	3859	3623	236	2022	2293	2306	4599	427	183	4355

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JANUARY 1933.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		† Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	19·3	6·2	10·1	20·0	18·7	2·2	1·2	1·0	5·1	296	154
EDINBURGH, . .	15·2	4·6	9·0	21·2	19·3	2·9	1·3	1·2	3·5	60	101
DUNDEE, . . .	17·8	9·3	11·1	30·1	29·0	5·2	0·9	0·7	6·8	48	173
ABERDEEN, . .	18·4	9·0	7·7	26·0	24·6	4·1	1·0	0·8	6·0	36	132
PAISLEY, . . .	18·7	4·3	7·9	19·2	18·4	3·5	1·3	1·2	2·8	24	170
GREENOCK, . . .	18·9	8·6	4·0	25·7	25·3	4·7	1·6	1·5	6·5	23	160
MOTHERWELL AND WISHAW, .	22·0	3·3	9·5	18·2	20·9	3·9	1·3	0·9	6·1	21	178
CLYDEBANK, . .	13·8	5·3	7·2	8·2	14·3	1·0	2·4	2·2	4·3	12	150
KIRKCALDY, . .	17·0	3·1	11·1	22·5	22·8	5·0	0·8	0·8	4·2	11	186
COATBRIDGE, . .	19·1	2·8	11·3	19·4	20·2	3·2	2·7	1·9	4·8	16	174
KILMARNOCK, . .	20·8	1·5	10·1	22·0	21·1	3·4	1·2	0·9	3·7	12	185
HAMILTON, . . .	22·6	6·8	6·7	17·4	18·9	1·8	0·0	0·0	6·1	11	149
AYR,	17·4	3·6	6·7	16·2	12·4	1·0	1·0	1·0	3·5	5	83
FALKIRK, . . .	16·1	5·9	13·6	29·0	25·2	3·8	1·9	1·9	5·4	5	85
DUNFERMLINE, .	14·0	0·0	12·1	22·2	20·9	3·6	0·7	0·3	3·9	2	44
PERTH,	15·4	17·4	10·0	37·0	31·0	6·7	1·7	1·0	7·7	7	156
TOTAL . . . (SIXTEEN TOWNS)	18·1	6·1	9·5	21·6	20·5	3·0	1·2	1·1	5·0	589	146

* Based on the average number of births registered monthly during the past 12 months.

† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JANUARY 1933, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					* Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
JAN. 1933, .	18.1	6.1	9.5	20.5	2	4	13	113	18	444	21	23	146	36° 3
JAN. 1932, .	19.5	5.9	9.2	14.0	0	100	14	11	27	30	12	19	95	43° 2
JAN. 1931, .	19.9	6.5	8.9	16.4	2	4	9	85	28	42	23	19	118	37° 3
JAN. 1930, .	21.0	6.9	9.2	15.7	0	79	11	23	36	26	12	24	123	39° 4
JAN. 1929, .	21.0	6.7	9.2	30.7	0	1	7	81	33	824	15	16	176	35° 1
JAN. 1928, .	21.3	6.3	10.7	19.0	1	192	11	58	57	60	9	22	142	40° 2
JAN. 1927, .	20.9	6.1	9.7	15.7	0	10	8	32	31	74	3	13	117	39° 5
JAN. 1926, .	22.1	6.3	10.6	15.1	1	73	15	28	29	40	2	23	96	40° 0
JAN. 1925, .	21.7	6.3	10.0	16.3	3	72	17	168	45	92	3	15	114	40° 9
JAN. 1924, .	23.9	6.7	9.5	17.3	2	217	17	91	31	37	2	16	136	39° 2
JAN. 1923, .	25.9	6.5	11.6	16.0	2	84	25	67	33	26	10	12	112	42° 6

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—January 1933.

CAUSES OF DEATH.				Age.														
				Total.	Males.	Females.	-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.
(1)																		
(2)																		
															</			

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—January 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.
1	Typhoid Fever (including Paratyphoid)	2	...	2	...	...	...	...	...
4	Measles	4	...	...	...	4	...	...	...
5	Scarlet Fever	13	7	1	1	...	...	1	1
6	Whooping-cough	113	59	15	6	3	8	6	3
7	Diphtheria	18	8	4	2	2	...	...	...
8	Influenza	444	113	81	67	51	15	23	17
14 (1)	Cerebro-spinal Fever	21	14	3	1	...	...	1	...
14 (2)	Other Epidemic Diseases*	23	9	6	1	...	3	1	1
10	Tuberculosis of Respiratory System ...	224	99	45	10	11	9	10	5
11	Other Tuberculous Diseases	40	16	6	3	3	1	1	2
14 (3)	Other Infectious and Parasitic Diseases	18	9	2	2	3	...	...	2
15	Cancer, Malignant Disease	338	135	66	38	20	14	12	5
18	Diabetes Mellitus	36	14	8	2	1	2	2	...
20	Oth. Gen. Diseases, Chronic Poisonings	69	25	14	6	5	1	3	1
22	Cerebral Hæmorrhage, &c.	326	121	66	32	34	9	15	6
23	Oth. Dis. of Nerv. Syst. and Sense Org.	89	34	7	7	7	6	5	2
24	Heart Disease	603	245	108	69	55	16	17	12
25	Other Circulatory Diseases	68	26	16	3	12	3	2	...
26	Bronchitis	408	172	61	46	36	8	14	14
27	Pneumonia (all forms)	594	292	61	55	45	12	27	18
28	Other Respiratory Diseases	54	21	14	1	6	1	3	2
32 (1)	Gastric and Duodenal Ulcer	38	16	10	2	3	...	1	...
29	Diarrhœa, &c. (all Ages)	55	29	10	3	1	4	1	3
30	Appendicitis	22	9	2	1	3	1	...	1
31 (1)	Cirrhosis of Liver	11	5	3	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	10	...	4	...	4	1	...	...
32 (2)	Other Digestive Diseases	44	16	8	7	4	...	2	2
33	Acute and Chronic Nephritis	84	41	14	8	8	4	2	1
34	Oth. Diseases of Genito-Urinary System	44	23	10	2	4	...	1	...
35	Puerperal Sepsis	17	5	5	1	1	...	2	1
36	Other Puerperal Causes	21	6	5	3	...	1	2	2
37	Dis. of Skin, and of Locomotor System	9	1	5	...	...	1	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	184	73	29	24	11	7	6	6
39	Old Age	127	35	31	16	6	2	6	4
40	Suicide	30	11	6	6	3	1	...	...
42	Other Violence	91	41	11	10	6	5	3	2
43	Causes Ill-defined or Unknown ...	63	39	...	2	4	3	1	4
	All Causes	4355	1769	739	437	357	138	171	117
	AGE AT DEATH.								
	Under 1	589	296	60	48	36	24	23	21
	1-4	275	130	26	20	17	8	23	9
	5-9	35	17	3	5	2	2	2	1
	10-14	25	14	2	3	...	...	1	...
	15-24	169	78	20	13	6	6	10	7
	25-34	230	90	42	19	20	3	12	8
	35-44	295	122	50	20	24	11	9	4
	45-54	422	163	96	47	25	15	17	9
	55-64	638	267	112	65	52	22	18	23
	65-74	792	310	146	85	70	19	25	19
	75-84	689	237	132	89	77	19	21	14
	85 and over	196	45	50	23	28	9	10	2
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	4355	1769	739	437	357	138	171	117

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—January 1933—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	2	...	...	...	...	...	...
6	Whooping-cough ... ..	...	5	2	1	...	4	...	...
7	Diphtheria ... ..	...	...	1	...	...	...	...	1
8	Influenza	18	5	7	5	1	8	11	19
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	2	...	...	...
14 (2)	Other Epidemic Diseases*	1	...	1	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	3	7	3	...	3	6	1	3
11	Other Tuberculous Diseases ... ..	...	3	1	...	...	...	1	2
14 (3)	Other Infectious and Parasitic Diseases	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	5	6	8	4	2	6	7	6
18	Diabetes Mellitus	1	...	...	2	1	1	2	...
20	Oth. Gen. Diseases, Chronic Poisonings	2	1	...	3	1	...	2	4
22	Cerebral Hæmorrhage, &c.	8	6	5	6	1	7	5	4
23	Oth. Dis. of Nerv. Syst. and Sense Org.	2	6	2	...	1	3	2	4
24	Heart Disease	10	3	14	10	6	12	10	7
25	Other Circulatory Diseases ... ..	...	...	...	1	...	1	1	3
26	Bronchitis	6	7	4	8	5	7	7	7
27	Pneumonia (all forms)	10	9	7	11	6	10	5	14
28	Other Respiratory Diseases ... ..	...	2	1	1	...	...	...	2
32 (1)	Gastric and Duodenal Ulcer	1	1	...	2	...	...	1	1
29	Diarrhœa, &c. (all Ages) ... ..	...	1	1	1	...	...	...	...
30	Appendicitis ... ..	...	...	3	...	...	...	1	1
31 (1)	Cirrhosis of Liver ... ..	...	1	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	...	...	1	...
32 (2)	Other Digestive Diseases ... ..	...	...	...	...	1	2	1	1
33	Acute and Chronic Nephritis	1	...	1	1	2	...	...	1
34	Oth. Diseases of Genito-Urinary System	1	...	...	...	1	...	1	1
35	Puerperal Sepsis ... ..	...	...	1	...	...	1	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	...	1	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	...	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	8	5	2	2	1	3	...	4
39	Old Age	5	2	2	2	2	4	2	4
40	Suicide	1	...	...	...	...	1	1	...
42	Other Violence	1	1	3	1	2	3	...	2
43	Causes Ill-defined or Unknown ...	2	2	...	1	1	...	1	2
	All Causes ...	86	75	69	62	39	80	64	93
	AGE AT DEATH.								
	Under 1	11	16	12	11	5	5	2	7
	1-4	4	7	5	5	1	6	5	5
	5-9 ... ..	...	1	...	1	...	...	1	...
	10-14 ... ..	...	...	...	1	1	1	...	1
	15-24	5	6	2	...	1	7	2	3
	25-34	6	4	4	2	...	6	2	5
	35-44	9	4	4	4	5	4	7	13
	45-54	9	6	3	5	2	7	4	8
	55-64	8	8	9	6	3	14	11	13
	65-74	12	14	15	14	11	12	16	17
	75-84	17	7	14	11	7	14	8	16
	85 and over	5	2	1	2	3	4	6	5
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages ...	86	75	69	62	39	80	64	93

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of JANUARY 1933.

OBSERVERS.	AIR PRESSURE		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.			WIND DIRECTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	at 9 A.M. and 9 P.M.		Mean of		Difference from Average.		Absolute Maximum and Minimum.				Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
 West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

FEBRUARY 1933.

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REPORT

During the month of February 1933 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births of 3,544 living children, of whom 1,856 were males and 1,688 were females. Compared with the number in the previous month, births of male children are 141 fewer, of female children 174 fewer, and of children of both sexes 315 fewer. The monthly birth-rate in these towns taken collectively was 18·4 per thousand. This rate is 0·3 above that for the previous month, but is 2·1 below the average.

In the individual towns the monthly birth-rate ranged from 25·3 in Coatbridge, 24·7 in Hamilton, and 21·7 in Ayr, to 13·3 in Perth, 15·3 in Kirkcaldy, and 15·4 in Edinburgh. In Kilmarnock the rate was 21·3, in Motherwell and Wishaw 20·4, in Glasgow 19·7, in Dundee 18·8, in Greenock 18·5, in Falkirk 17·1, in Aberdeen 16·9, in Clydebank 16·6, in Dunfermline 16·6, and in Paisley 16·1.

Of the 3,544 living children whose births were registered during the month, 3,342, or 94·3 per cent., were legitimate, while 202, or 5·7 per cent., were illegitimate. The legitimate children numbered 281 fewer than in the previous month, and the illegitimate children 34 fewer. The illegitimate rate for the month is 0·4 below that for the previous month. In the individual towns it ranged from 13·9 in Perth, 8·0 in Greenock, and 7·7 in Kirkcaldy, to 1·6 in Clydebank, 2·7 in Hamilton, and 2·8 in Paisley.

Marriages registered during the month numbered 1,143, and are 879 fewer than in the previous month. The marriage-rate, 5·9 per thousand, is 3·6 below that for the previous month, and 0·1 below the average. In the individual towns it

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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ranged from 8·5 in Kirkcaldy, 7·0 in Perth, 6·5 in Glasgow, and 6·5 in Dunfermline, to 2·1 in Coatbridge, 3·4 in Kilmarnock, and 3·9 in Ayr.

Deaths registered in these towns during the month numbered 3,613, and are 986 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3,392, of whom 1,655 were males and 1,737 were females. The corrected number is 963 fewer than in the previous month, males being 510 fewer and females 453 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 17·6 per thousand, being 2·9 below that for the previous month, and 0·9 below the average, or 0·5 above if the abnormal rate of 24·4 in 1929 be omitted. In the towns taken individually the death-rate ranged from 23·5 in Coatbridge, 23·1 in Dundee, and 22·2 in Greenock, to 9·8 in Hamilton, 10·4 in Clydebank, and 14·7 in Ayr. In Falkirk this rate was 19·9, in Kilmarnock 18·2, in Edinburgh 17·7, in Glasgow 17·4, in Paisley 16·8, in Motherwell and Wishaw 16·4, in Kirkcaldy 16·4, in Perth 16·3, in Aberdeen 15·9, and in Dunfermline 15·9.

Deaths of children of less than one year old numbered 403, and equalled an infantile mortality rate of 111 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 187 fewer than in the previous month, while the rate is 35 less than in that month, and is 18 below the average. In the individual towns it ranged from 188 in Greenock, 169 in Coatbridge, and 159 in Dundee, to 15 in Hamilton, 43 in Clydebank, and 69 in Kilmarnock. In Aberdeen it was 156, in Kirkcaldy 151, in Motherwell and Wishaw 135, in Perth 122, in Falkirk 113, in Glasgow 106, in Dunfermline 98, in Paisley 96, in Ayr 91, and in Edinburgh 80.

Deaths from the principal epidemic diseases numbered 328, and equalled a death-rate of 1·7 per thousand. These deaths are 310 fewer than in the previous month, and the rate is 1·3 less. They include 2 from measles, 10 from scarlet fever, 73 from whooping-cough, 16 from diphtheria, 187 from influenza, 21 from cerebro-spinal fever, and 19 from other epidemic diseases, of which 12 were ascribed to erysipelas, 6 to lethargic encephalitis, and 1 to dysentery. No deaths from typhoid fever were registered during the month. Compared with the number in the previous month, deaths from influenza are 257 fewer, from whooping-cough 40 fewer, from other epidemic diseases 4 fewer, from scarlet fever 3 fewer, from measles 2 fewer, and from diphtheria 2 fewer, while those from cerebro-spinal fever numbered the same.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 709, and equalled a death-rate of 3·7 per thousand. Compared with the number in the previous month these deaths are 347 fewer, while the death-rate is 1·3 less, and is 0·8 below the average, or 0·1 below if the abnormal rate of 7·3 in 1929 be excluded.

Deaths from all forms of tuberculosis numbered 223, of which 171 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 41 fewer, and from respiratory tuberculosis 53 fewer. Compared with the average the former are 3 fewer, but the latter are 1 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

FEBRUARY 1933.

Mean barometric pressure, 29·881 in. ; greater than the average of 1881-1915 by 0·038 in.

Mean temperature, 39°·4 F. ; greater by 0°·8 F.

Mean daily range of temperature, 9°·3 F. ; less by 0°·9 F.

Rain, depth in inches, 3·18; greater by 0·34 in.

Wind, direction of: a 3 days' excess of winds between south-west and north-west.

Depressions passing to the northwards of the British Isles maintained during the opening days of the month a rather mild and unsettled type of weather. Around the 10th pressure became high to the west and a cold northerly type of weather became established, this gradually giving way to an easterly type associated with a low pressure system over south-western districts. The extremes of barometric pressure at Edinburgh were 30·68 in. on 11th and 28·91 in. on 1st.

As in January during the first ten days of the month temperatures were well above the average, a maximum of 57° F. being recorded at Edinburgh (King's Buildings) on the 3rd, and also on the 8th at both Ayr and Dunbar. A cold spell lay around the 24th to 26th, the screen temperature dropping to 11° F. at Dalwhinnie on the 24th. On both the 23rd and 24th the grass temperature at Dalwhinnie fell to 6° F. ; at the same place the reading on morning of 11th was 7° F., while on the morning of 24th it was 8° F. at Glenbranter. Ground frosts were reported from one place or another on all mornings excepting 5th, 7th and 9th.

In parts of the Hebrides and south-western districts and over a narrow strip of country running down central Scotland rainfall totals were below the average; elsewhere they were generally above it. The wettest period was centred round the 4th, on which date falls of over an inch of rain were frequently reported; on the 4th 2·99 in. fell at Kinlochquoich and 2·85 in. at Glenbranter. Hail, sleet and snow were of frequent occurrence, hail showers being reported from Lerwick on 18 different days and from Stornoway on 11. The heaviest snow falls were those between the 22nd and 27th; 12 inches of snow were noted as lying at Lamington on 25th and 26th, and from 8 to 9 inches on different days at Dalwhinnie, Crieff, Tyndrum, Achnashellach and Craibstone. From the 17th to the end of the month the snow tended to lie in many places. On account of strong winds the snow drifted locally and interfered somewhat with road and rail transport.

Gales were noted on 15 different days, those occurring between the 25th and 27th being the most widespread; on the 13th a gust of 89 m.p.h. was registered at Lerwick. Fog occurred on 14 days, being dense at times locally between the 6th and 8th. Aurora was observed on nights of 1st, 14th, 18th, 19th and each night from 21st to 25th, that of 21st being noted from the Shetlands to Dumfriesshire.

Sunshine aggregates were generally subnormal; the normal figures were, however, enjoyed both in Edinburgh and Stornoway.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 16.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, FEBRUARY 1933.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1931. (Pre- liminary.)	Estimated to middle of 1933.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . .	1,088,417	1,111,600	895	784	1679	1580	99	557	830	768	1596	152	36	1480
EDINBURGH, . .	438,998	451,900	265	269	534	504	30	216	314	358	672	79	19	612
DUNDEE, . .	175,583	177,500	133	123	256	238	18	68	146	186	332	24	6	314
ABERDEEN, . .	167,259	170,900	114	108	222	211	11	80	92	136	228	34	15	209
PAISLEY, . .	86,441	88,300	54	55	109	106	3	27	58	64	122	8	0	114
GREENOCK, . .	78,948	79,700	61	52	113	104	9	27	56	78	134	4	6	136
MOTHERWELL AND WISHAW, .	64,708	65,900	55	48	103	100	3	22	36	38	74	0	9	83
CLYDEBANK, . .	46,963	48,700	35	27	62	61	1	20	16	8	24	0	15	39
KIRKCALDY, . .	43,874	44,400	19	33	52	48	4	29	28	27	55	1	2	56
COATBRIDGE, . .	43,056	43,700	46	39	85	81	4	7	31	33	64	2	17	79
KILMARNOCK, . .	38,099	38,600	29	34	63	59	4	10	27	29	56	10	8	54
HAMILTON, . .	37,863	38,500	43	30	73	71	2	14	10	15	25	1	5	29
AYR,	36,784	37,200	31	31	62	58	4	11	25	23	48	10	4	42
FALKIRK, . .	36,565	37,300	27	22	49	47	2	18	27	34	61	8	4	57
DUNFERMLINE, . .	34,954	36,100	27	19	46	43	3	18	36	26	62	19	1	44
PERTH,	34,807	35,300	22	14	36	31	5	19	28	32	60	21	5	44
TOTAL (SIXTEEN TOWNS)	2,453,319	2,505,600	1856	1688	3544	3342	202	1143	1760	1853	3613	373	152	3392

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, FEBRUARY 1933.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		† Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	19·7	5·9	6·5	18·7	17·4	1·3	1·4	1·1	3·9	182	106
EDINBURGH, . .	15·4	5·6	6·2	19·4	17·7	2·2	1·2	0·9	3·4	43	80
DUNDEE, . . .	18·8	7·0	5·0	24·4	23·1	3·4	1·1	0·7	4·9	40	159
ABERDEEN, . . .	16·9	5·0	6·1	17·4	15·9	0·8	0·8	0·7	2·4	38	166
PAISLEY, . . .	16·1	2·8	4·0	18·0	16·8	1·8	0·9	0·7	3·1	12	96
GREENOCK, . . .	18·5	8·0	4·4	21·9	22·2	2·0	1·5	1·5	7·8	24	188
MOTHERWELL AND WISHAW, . .	20·4	2·9	4·4	14·6	16·4	1·6	1·4	0·8	3·2	14	135
CLYDEBANK, . .	16·6	1·6	5·4	6·4	10·4	0·0	1·3	1·1	2·1	3	43
KIRKCALDY, . .	15·3	7·7	8·5	16·1	16·4	1·5	0·0	0·0	5·0	8	151
COATBRIDGE, . .	25·3	4·7	2·1	19·1	23·5	4·8	0·0	0·0	2·7	14	169
KILMARNOCK, . .	21·3	6·3	3·4	18·9	18·2	1·0	1·4	1·0	3·4	4	69
HAMILTON, . . .	24·7	2·7	4·7	8·5	9·8	0·7	0·7	0·3	0·7	1	15
AYR,	21·7	6·5	3·9	16·8	14·7	0·4	0·4	0·0	2·5	5	91
FALKIRK,	17·1	4·1	6·3	21·3	19·9	3·8	0·7	0·7	3·1	6	113
DUNFERMLINE, . .	16·6	6·5	6·5	22·4	15·9	3·6	0·7	0·4	3·6	4	98
PERTH,	13·3	13·9	7·0	22·2	16·3	1·5	0·7	0·7	2·2	5	122
TOTAL . . . (SIXTEEN TOWNS)	18·4	5·7	5·9	18·8	17·6	1·7	1·2	0·9	3·7	403	111

* Based on the average number of births registered monthly during the past 12 months.

† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR FEBRUARY 1933, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
FEB. 1933, .	18·4	5·7	5·9	17·6	0	2	10	73	16	187	21	19	111	39°·4
FEB. 1932, .	20·2	5·9	6·5	17·7	3	111	21	29	27	102	20	17	142	40°·4
FEB. 1931, .	20·8	6·9	5·9	17·6	1	4	7	110	22	101	23	12	124	38°·1
FEB. 1930, .	21·0	7·1	5·6	17·3	1	78	10	33	32	42	10	21	122	35°·1
FEB. 1929, .	20·7	6·8	5·6	24·4	1	2	6	66	30	600	30	30	144	34°·2
FEB. 1928, .	20·2	7·0	6·5	15·8	0	120	5	79	37	42	5	15	111	40°·5
FEB. 1927, .	21·5	6·5	6·3	16·5	0	16	8	54	33	132	6	14	120	40°·1
FEB. 1926, .	23·0	6·1	6·4	15·2	2	153	19	27	26	35	5	16	103	41°·3
FEB. 1925, .	22·7	6·0	5·9	15·8	1	44	26	127	40	67	2	18	105	39°·2
FEB. 1924, .	25·0	6·1	5·4	18·8	1	160	16	110	34	128	2	15	156	39°·7
FEB. 1923, .	25·4	6·6	7·1	14·7	5	55	17	56	35	22	4	13	99	39°·7

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—February 1933.

Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over	
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Measles -	2	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever -	10	8	2	-	7	1	1	-	1	-	-	-	-	-	-	-
6	Whooping-cough -	73	28	45	26	47	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria -	16	6	10	2	8	3	1	1	-	1	-	-	-	-	-	-
8	Influenza -	187	88	99	4	8	1	-	11	13	13	24	27	34	46	6	
14 (1)	Cerebro-spinal Fever -	21	10	11	11	5	2	-	1	2	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases* -	19	10	9	4	-	-	-	1	3	1	3	-	5	1	1	
10	Tuberculosis of Respiratory System -	171	95	76	3	2	1	4	30	42	30	32	19	7	1	-	
11	Other Tuberculous Diseases -	52	31	21	2	16	8	5	8	5	5	1	2	-	-	-	
14 (3)	Other Infectious and Parasitic Diseases -	14	9	5	2	2	-	-	-	-	3	3	2	1	1	-	
15	Cancer, Malignant Disease -	289	135	154	-	1	-	1	1	5	20	53	73	96	34	5	
18	Diabetes Mellitus -	34	10	24	-	-	-	-	1	4	1	6	8	8	5	1	
20	Other General Dis., Chronic Poisonings -	57	22	35	2	-	1	4	3	5	8	7	12	10	5	-	
22	Cerebral Hæmorrhage, &c. -	351	154	197	-	-	-	-	2	1	8	29	65	123	99	24	
23	Oth. Dis. of Nervous System & Sense Org. -	92	48	44	27	5	5	1	6	6	5	11	9	11	5	1	
24	Heart Disease -	500	245	255	-	-	4	1	10	15	18	44	111	149	131	17	
25	Other Circulatory Diseases -	56	24	32	-	-	-	-	-	-	1	4	6	21	17	7	
26	Bronchitis -	312	156	156	18	5	-	-	2	2	9	32	55	85	87	17	
27	Pneumonia (all forms) -	349	199	150	88	64	4	4	12	15	22	37	36	41	22	4	
28	Other Respiratory Diseases -	48	23	25	1	2	-	-	1	2	4	8	6	10	9	5	
32 (1)	Gastric and Duodenal Ulcer -	34	25	9	-	-	-	-	2	2	7	9	8	4	2	-	
29	Diarrhœa, &c. (all ages) -	37	19	18	20	2	3	-	-	1	1	1	3	1	4	1	
30	Appendicitis -	19	12	7	-	-	5	1	4	5	1	1	1	1	-	-	
31 (1)	Cirrhosis of Liver -	8	5	3	-	-	-	1	-	-	-	1	3	2	1	-	
31 (2)	Other Diseases of Liver, &c. -	14	5	9	1	-	-	-	-	-	2	1	4	5	-	1	
32 (2)	Other Digestive Diseases -	55	26	29	7	4	-	-	4	-	4	5	13	10	8	-	
33	Acute and Chronic Nephritis -	66	25	41	-	2	-	-	2	1	5	14	13	20	8	1	
34	Other Dis. of Genito-Urinary System -	32	21	11	3	1	-	-	1	3	-	-	5	7	12	-	
35	Puerperal Sepsis -	7	-	7	-	-	-	-	1	4	2	-	-	-	-	-	
36	Other Puerperal Causes -	10	-	10	-	-	-	-	3	5	2	-	-	-	-	-	
37	Diseases of Skin and Locomotor System -	20	12	8	3	-	1	1	2	3	1	2	2	3	1	1	
38	Congen. Debil., Prem. Birth, Malform., &c. -	173	84	89	171	1	-	-	1	-	-	-	-	-	-	-	
39	Old Age -	124	42	82	-	-	-	-	-	-	-	-	-	14	70	40	
40	Suicide -	16	12	4	-	-	-	-	1	4	-	4	5	2	-	-	
42	Other Violence -	82	45	37	6	7	2	4	5	5	6	8	12	15	9	3	
43	Causes ill-defined or Unknown -	42	20	22	1	-	1	-	-	1	2	5	10	14	8	-	
ALL CAUSES		3392	1655	1737	403	190	42	29	116	155	182	345	510	699	586	135	

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—February 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.					Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)					...	...	...	...	...	...	...	...	...
4	Measles					2	2	...	...	...	...	...	...	...
5	Scarlet Fever					10	8	...	1	...	...	...	...	...
6	Whooping-cough					73	29	10	5	4	4	6	4	...
7	Diphtheria					16	10	1	1	...	1	...	...	...
8	Influenza					187	44	58	31	6	6	6	3	...
14 (1)	Cerebro-spinal Fever					21	8	4	6	...	...	...	1	...
14 (2)	Other Epidemic Diseases*					19	9	4	2	1	1	...	...	...
10	Tuberculosis of Respiratory System ...					171	91	30	10	9	5	9	4	...
11	Other Tuberculous Diseases					52	26	11	5	1	1	...	3	...
14 (3)	Other Infectious and Parasitic Diseases					14	8	3	1	2	...	...	...	...
15	Cancer, Malignant Disease					289	126	45	23	21	12	12	9	...
18	Diabetes Mellitus					34	18	4	1	3	1	1	...	...
20	Oth. Gen. Diseases, Chronic Poisonings					57	25	15	5	3	1	...	...	...
22	Cerebral Hæmorrhage, &c.					351	147	64	25	35	10	9	12	...
23	Oth. Dis. of Nerv. Syst. and Sense Org.					92	41	15	5	6	2	7	2	...
24	Heart Disease					500	217	88	51	37	21	10	11	...
25	Other Circulatory Diseases					56	16	16	7	5	3	1	...	...
26	Bronchitis					312	137	61	27	12	9	18	8	...
27	Pneumonia (all forms)					349	172	42	39	18	11	27	8	...
28	Other Respiratory Diseases					48	21	14	1	2	1	3	...	...
32 (1)	Gastric and Duodenal Ulcer					34	17	3	4	...	1	2	1	...
29	Diarrhœa, &c. (all Ages)					37	19	6	5	2	1	...	1	...
30	Appendicitis					19	7	4	3	2	1	...	1	...
31 (1)	Cirrhosis of Liver					8	3	2	1	...	...	...	1	...
31, (2)	Other Diseases of Liver, &c.					14	8	2	...	...	...	...	...	...
32 (2)	Other Digestive Diseases					55	22	9	2	4	5	2	...	...
33	Acute and Chronic Nephritis					66	33	16	5	3	2	...	1	...
34	Oth. Diseases of Genito-Urinary System					32	13	7	3	1	1	...	1	...
35	Puerperal Sepsis					7	1	2	...	1	...	1	...	...
36	Other Puerperal Causes					10	2	1	4	...	...	1	...	...
37	Dis. of Skin, and of Locomotor System					20	9	5	2	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.					173	72	27	12	19	4	11	7	...
39	Old Age					124	48	23	17	6	4	5	4	...
40	Suicide					16	5	4	4	...	...	...	...	...
42	Other Violence					82	34	15	5	6	4	4	1	...
43	Causes Ill-defined or Unknown ...					42	32	1	1	...	2	1	...	...
All Causes ...						3392	1480	612	314	209	114	136	83	38
AGE AT DEATH.														
Under 1						403	182	43	40	38	12	24	14	...
1- 4						190	83	29	25	4	8	16	9	...
5- 9						42	24	4	3	3	2	...	1	...
10-14						29	16	2	6	2	...	...	1	...
15-24						116	53	19	7	4	4	6	3	...
25-34						155	69	29	16	3	3	13	2	...
35-44						182	81	32	18	9	7	8	4	...
45-54						345	171	66	18	21	3	13	6	...
55-64						510	240	92	48	31	16	14	10	...
65-74						699	298	123	60	43	28	24	21	...
75-84						586	216	138	56	41	28	13	11	...
85 and over						135	47	35	17	10	3	5	1	...
Not stated ... ..						...	...	...	...	...	...	...	...	...
All Ages ...						3392	1480	612	314	209	114	136	83	38

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—February 1933—*continued*.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	1	...	...
6	Whooping-cough	2	7	...	...	...	1	1	...
7	Diphtheria ... ..	...	2	...	...	...	...	...	1
8	Influenza... ..	3	7	3	2	1	6	9	2
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	2	...	...
14 (2)	Other Epidemic Diseases*	...	...	...	...	...	1	...	1
10	Tuberculosis of Respiratory System ...	...	...	3	1	...	2	1	2
11	Other Tuberculous Diseases ... ..	...	...	1	1	1	...	1	...
14 (3)	Other Infectious and Parasitic Diseases	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	4	6	9	1	4	5	1	4
18	Diabetes Mellitus ... ..	...	1	2	...	...	2	...	1
20	Oth. Gen. Diseases, Chronic Poisonings	...	...	...	1	2	1	1	...
22	Cerebral Hæmorrhage, &c.	9	13	5	2	5	4	4	2
23	Oth. Dis. of Nerv. Syst. and Sense Org.	...	4	...	2	4	1	1	2
24	Heart Disease	6	6	6	9	6	9	9	13
25	Other Circulatory Diseases	2	...	1	1	...	...	1	2
26	Bronchitis	12	6	6	2	2	2	3	5
27	Pneumonia (all forms)	5	3	3	...	4	7	4	1
28	Other Respiratory Diseases ... ..	...	...	1	...	1	...	3	...
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	...	1	...	1	...	2
29	Diarrhœa, &c. (all Ages) ... ..	...	...	1	...	...	1	1	...
30	Appendicitis ... ..	...	...	...	...	...	1	...	...
31 (1)	Cirrhosis of Liver ... ..	...	1	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	1	1	...	1	...	...	...
32 (2)	Other Digestive Diseases ... ..	...	4	...	...	2	1	...	2
33	Acute and Chronic Nephritis	1	1	1	1	1	...	...	...
34	Oth. Diseases of Genito-Urinary System	3	1	1	...	...	...	...	...
35	Puerperal Sepsis ... ..	...	1	...	1	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	...	2	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	1	...	1	1
38	Congenital Debility, Premature Birth, Malformations, &c.	4	6	3	1	2	3	1	1
39	Old Age	3	3	2	3	2	2	1	...
40	Suicide ... ..	...	...	1	...	2	...	...	...
42	Other Violence	2	4	4	...	1	2	...	...
43	Causes Ill-defined or Unknown ...	...	2	...	...	...	...	1	2
	All Causes	56	79	54	29	42	57	44	44
	AGE AT DEATH.								
	Under 1	8	14	4	1	5	6	4	5
	1-4	1	8	...	...	1	3	2	...
	5-9	1	1	1	1	...	1	...	...
	10-14 ... ..	...	1	...	...	...	1	...	...
	15-24	1	6	3	...	1	3	...	3
	25-34 ... ..	...	2	2	1	4	4	3	2
	35-44	1	3	3	2	3	4	1	2
	45-54	4	8	6	4	3	5	4	6
	55-64	4	8	10	5	8	4	9	4
	65-74	20	13	13	9	5	14	9	10
	75-84	14	11	11	5	7	10	11	11
	85 and over	2	4	1	1	5	2	1	1
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	56	79	54	29	42	57	44	44

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of FEBRUARY 1933.

OBSERVERS.	AIR PRESSURE		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 23'; Perth, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 9 A.M. only.

† At 7 A.M. and 6 P.M.

Library. MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

MARCH 1933.

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REPORT

During the month of March 1933 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births of 4,089 living children, of whom 2,021 were males and 2,068 were females. Compared with the number in the previous month, births of male children are 165 more, of female children 380 more, and of children of both sexes 545 more. The monthly birth-rate in these towns taken collectively was 19·2 per thousand. This rate is 0·8 above that for the previous month, but is 1·8 below the average.

In the individual towns the monthly birth-rate ranged from 22·6 in Greenock, 22·6 in Hamilton, and 22·3 in Motherwell and Wishaw, to 15·2 in Edinburgh, 16·2 in Kirkcaldy, and 16·9 in Aberdeen. In Glasgow the rate was 20·9, in Dunfermline 20·6, in Kilmarnock 20·4, in Clydebank 20·3, in Paisley 19·9, in Perth 19·4, in Ayr 18·7, in Coatbridge 18·3, in Dundee 17·8 and in Falkirk 17·7.

Of the 4,089 living children whose births were registered during the month, 3,842, or 94·0 per cent., were legitimate, while 247, or 6·0 per cent., were illegitimate. The legitimate children numbered 500 more than in the previous month, and the illegitimate children 45 more. The illegitimate rate for the month is 0·3 above that for the previous month. In the individual towns it ranged from 12·2 in Hamilton, 12·1 in Perth, and 9·0 in Kilmarnock, to 0·0 in Ayr, 1·2 in Clydebank, and 1·6 in Dunfermline.

Marriages registered during the month numbered 1,067, and are 76 fewer than in the previous month. The marriage-rate, 5·0 per thousand, is 0·9 below that for the previous month, and 0·7 below the average. In the individual towns it

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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ranged from 7·0 in Coatbridge, 6·9 in Kirkcaldy, and 6·7 in Ayr, to 3·0 in Motherwell and Wishaw, 3·6 in Clydebank, and 3·8 in Greenock.

Deaths registered in these towns during the month numbered 3,184, and are 429 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,942, of whom 1,484 were males and 1,458 were females. The corrected number is 450 fewer than in the previous month, males being 171 fewer and females 279 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 13·8 per thousand, being 3·8 below that for the previous month, and 3·9 below the average. In the towns taken individually the death-rate ranged from 18·0 in Kilmarnock, 17·8 in Coatbridge, and 15·5 in Falkirk, to 10·6 in Clydebank, 11·0 in Hamilton, and 12·0 in Greenock. In Perth the rate was 15·4, in Dundee 14·9, in Ayr 14·3, in Glasgow 13·9, in Aberdeen 13·8, in Paisley 13·7, in Edinburgh 13·6, in Kirkcaldy 13·3, in Motherwell and Wishaw 12·7, and in Dunfermline 12·1.

Deaths of children of less than one year old numbered 355, and equalled an infantile mortality rate of 89 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 48 fewer than in the previous month, while the rate is 22 less than in that month, and 37 below the average. In the individual towns it ranged from 154 in Kilmarnock, 123 in Paisley, and 109 in Dunfermline, to 34 in Falkirk, 49 in Ayr, and 57 in Greenock. In Glasgow it was 104, in Clydebank 103, in Kirkcaldy 86, in Hamilton 82, in Dundee 81, in Coatbridge 78, in Aberdeen 75, in Perth 67, in Edinburgh 61, and in Motherwell and Wishaw 60.

Deaths from the principal epidemic diseases numbered 190, and equalled a death-rate of 0·9 per thousand. These deaths are 138 fewer than in the previous month, while the rate is 0·8 less. They include 6 from measles, 12 from scarlet fever, 61 from whooping-cough, 17 from diphtheria, 50 from influenza, 26 from cerebro-spinal fever, and 18 from other epidemic diseases, 9 of which were ascribed to erysipelas, 8 to lethargic encephalitis, and 1 to acute poliomyelitis. No deaths from typhoid fever were registered during the month. Compared with the number in the previous month deaths from cerebro-spinal fever are 5 more, from measles 4 more, from scarlet fever 2 more, and from diphtheria 1 more, but those from other epidemic diseases are 1 fewer, from whooping-cough 12 fewer, and from influenza 137 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 504, and equalled a death-rate of 2·4 per thousand. Compared with the number in the previous month these deaths are 205 fewer, while the rate is 1·3 less, and is 1·7 below the average.

Deaths from all forms of tuberculosis numbered 231, of which 164 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 8 more, but those from respiratory tuberculosis are 7 fewer. Compared with the average the former are 41 fewer and the latter 36 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MARCH 1933.

Mean barometric pressure, 29·783 in. ; less than the average of 1881-1915 by 0·018 in.

Mean temperature, 44·0° F. ; greater by 3°·6 F.

Mean daily range of temperature, 13°·4 F. ; greater by 1°·8 F.

Rain, depth in inches, 2·08 ; less by 0·73 in.

Wind, direction of: a 6 days' excess of south to south-west winds.

At the beginning of the month conditions were rather unsettled, depressions chiefly to the westwards of Ireland affecting the British Isles. About the 7th conditions became more or less anticyclonic, pressure being high on the continent and low over Iceland. Unsettled conditions spread in again for a few days around the 15th, but about the 20th the continental anticyclone once more predominated and quiet weather continued with little interruption until the end of the month. The extremes of barometric pressure at Edinburgh were 30·44 in. on 26th and 28·96 in. on 17th.

A feature of the month was the mildness of the days, 11th, 25th and 28th being very warm. On the 28th 70° F. was registered at Aberdeen, a record for March for this station. Frequently the warmest day followed upon a very cold night ; thus North Berwick had a minimum of 28° F. on morning of 25th and this was followed by a day maximum of 63° F. It was the warmest March on record at Blackford Hill Observatory, Edinburgh, and perhaps the warmest over Scotland as a whole since 1882. Several low screen minima were recorded, the lowest reported being 21° F. at Balmoral on 21st ; the temperature over grass dropped to 9° F. and 11° F. at Dalwhinnie on the 18th and 21st respectively. Ground frost occurred at some place or another on all but three mornings, the 3rd, 4th and 9th.

Rainfall aggregates were everywhere well below the normal, the deficiency in the neighbourhood of Inverness being as much as 80 per cent. Rain was confined mostly to a few days at the beginning, middle and end of the month, the largest daily falls being recorded between the 3rd and 8th, when falls of over an inch occurred at a number of places on one or more of these days, the greatest being perhaps that of 2·50 inches at Inverchaolain on 8th. Snow and sleet showers fell locally but no heavy falls of snow were recorded.

Thunder was reported on 5 days, fog on 16 days and gales on 8 days, the gales around 4th and 27th being the most widespread.

Another outstanding feature of the month was the amount of sunshine enjoyed in all districts except perhaps the extreme north-west ; eastern and south-eastern districts had more than an hour per day above the average, the last fortnight being particularly sunny. Between the 24th and 28th the daily sunshine at Edinburgh exceeded 10 hours per day, while at Aberdeen it was the sunniest March since 1907. Aurora was observed on nights of 18th-19th, 20th, 22nd, 23rd, 28th and 29th, the display on 19th being perhaps the most widely reported.

NOTE. —The mean values refer to those of the Principal Towns named in meteorological Table on p. 24.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, MARCH 1933.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.					
	Census 1931. (Pre- liminary.)	Estimated to middle of 1933.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	REGISTERED			TRANSFERS		Total Corrected.		
								Males.		Females.	Total.	Out.		In.	
GLASGOW, . . .	1,088,417	1,111,600	964	1010	1974	1854	120	467	748	700	1448	184	44	1308	
EDINBURGH, . .	488,998	451,900	294	290	584	546	38	211	285	304	589	81	15	523	
DUNDEE, . . .	175,583	177,500	126	143	269	251	18	64	105	135	240	24	8	224	
ABERDEEN, . .	167,259	170,900	121	124	245	229	16	83	108	116	224	42	18	200	
PAISLEY, . . .	86,441	88,300	73	76	149	145	4	29	48	54	102	4	5	103	
GREENOCK, . .	73,948	79,700	75	78	153	147	6	26	52	38	90	11	2	81	
MOTHERWELL AND WISHAW, .	64,708	65,900	66	59	125	119	6	17	28	25	53	1	19	71	
CLYDEBANK, . .	46,963	48,700	40	44	84	83	1	15	16	9	25	1	20	44	
KIRKCALDY, . .	43,874	44,400	34	27	61	56	5	26	25	18	43	1	8	50	
COATBRIDGE, .	43,056	43,700	37	31	68	62	6	26	31	27	58	2	10	66	
KILMARNOCK, .	38,099	38,600	29	33	67	61	6	19	39	27	66	11	4	59	
HAMILTON, . .	37,863	38,500	34	40	74	65	9	14	14	17	31	0	5	36	
AYR,	36,784	37,200	31	28	59	59	0	21	25	28	53	11	3	45	
FALKIRK, . . .	36,565	37,300	28	28	56	52	4	16	39	18	57	11	3	49	
DUNFERMLINE, .	84,954	86,100	31	32	63	62	1	16	26	21	47	11	1	37	
PERTH,	84,807	85,300	38	20	58	51	7	17	25	33	58	15	3	46	
TOTAL (SIXTEEN TOWNS)	2,453,319	2,505,600	2021	2068	4089	3842	247	1067	1614	1570	3184	410	168	2942	

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, MARCH 1933.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		† Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, .	20·9	6·1	4·9	15·3	13·9	1·0	1·3	0·9	2·5	196	104	
EDINBURGH, .	15·2	6·5	5·5	15·3	13·6	0·8	0·9	0·7	2·0	36	61	
DUNDEE, . .	17·8	6·7	4·2	15·9	14·9	0·5	1·3	0·7	2·7	22	81	
ABERDEEN, .	16·9	6·5	5·7	15·4	13·8	0·6	1·0	0·8	1·9	20	75	
PAISLEY, . .	19·9	2·7	3·9	13·6	13·7	1·7	1·5	0·9	2·1	17	123	
GREENOCK, .	22·6	3·9	3·8	13·3	12·0	0·9	0·6	0·6	2·4	3	57	
MOTHERWELL AND WISHAW,	22·3	4·8	3·0	9·5	12·7	0·5	0·9	0·4	2·0	7	60	
CLYDEBANK, .	20·3	1·2	3·6	6·0	10·6	0·2	1·2	0·7	2·9	8	103	
KIRKCALDY, .	16·2	8·2	6·9	11·4	13·3	0·5	0·5	0·5	2·7	5	86	
COATBRIDGE, .	18·3	8·8	7·0	15·6	17·8	2·2	1·3	1·3	3·2	7	78	
KILMARNOCK,	20·4	9·0	5·8	20·1	18·0	1·8	0·6	0·3	4·6	10	154	
HAMILTON, .	22·6	12·2	4·3	9·5	11·0	0·0	0·0	0·0	0·9	6	82	
AYR,	18·7	0·0	6·7	16·8	14·3	0·3	1·3	0·3	1·6	3	49	
FALKIRK, . .	17·7	7·1	5·0	18·0	15·5	0·9	0·6	0·6	2·5	2	34	
DUNFERMLINE,	20·6	1·6	5·2	15·3	12·1	0·7	0·7	0·0	2·3	5	109	
PERTH, . . .	19·4	12·1	5·7	19·4	15·4	1·0	0·7	0·7	1·7	3	67	
TOTAL . . . (SIXTEEN TOWNS)	19·2	6·0	5·0	15·0	13·8	0·9	1·1	0·8	2·4	355	89	

* Based on the average number of births registered monthly during the past 12 months.
† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR MARCH 1933, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
MAR. 1933, .	19·2	6·0	5·0	13·8	0	6	12	61	17	50	26	18	89	44°·0
MAR. 1932, .	20·5	5·9	6·2	18·8	0	147	18	23	25	229	18	27	152	41°·5
MAR. 1931, .	21·4	6·4	5·7	18·1	0	5	7	126	19	159	23	21	120	37°·8
MAR. 1930, .	21·2	6·7	6·4	17·5	1	127	6	59	30	57	28	30	130	39°·6
MAR. 1929, .	20·2	6·8	5·1	17·4	0	3	6	73	20	118	41	13	107	43°·4
MAR. 1928, .	21·9	6·1	5·0	16·8	1	133	3	106	30	54	15	18	121	40°·5
MAR. 1927, .	23·0	5·9	6·1	16·8	0	22	7	79	26	224	14	20	112	43°·8
MAR. 1926, .	24·3	5·4	6·0	17·4	0	158	30	42	41	100	12	27	119	43°·0
MAR. 1925, .	22·5	6·4	6·3	15·2	2	37	30	147	50	59	9	27	108	41°·1
MAR. 1924, .	23·4	6·5	6·6	23·3	1	166	18	196	21	327	8	17	173	37°·7
MAR. 1923, .	24·8	6·8	6·2	14·6	0	57	18	69	31	21	9	39	94	42°·7

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—March 1933.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
1 Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 Measles -	6	3	3	4	1	1	-	-	-	-	-	-	-	-	-	-	-
5 Scarlet Fever -	12	5	7	-	5	4	1	1	1	-	-	-	-	-	-	-	-
6 Whooping-cough -	61	28	33	30	30	1	-	-	-	-	-	-	-	-	-	-	-
7 Diphtheria -	17	10	7	-	8	8	1	-	-	-	-	-	-	-	-	-	-
8 Influenza -	50	30	20	1	1	-	-	1	1	3	7	13	9	11	3	-	-
4 (1) Cerebro-spinal Fever -	26	17	9	8	10	2	2	2	-	1	1	-	-	-	-	-	-
4 (2) Other Epidemic Diseases* -	18	10	8	1	2	-	-	1	3	3	4	2	2	-	-	-	-
0 Tuberculosis of Respiratory System -	164	99	65	-	1	1	2	43	39	27	33	13	5	-	-	-	-
1 Other Tuberculous Diseases -	67	32	35	2	17	9	8	18	4	3	1	3	2	-	-	-	-
4 (3) Other Infectious and Parasitic Diseases -	5	4	1	3	-	-	-	1	-	-	1	-	-	-	-	-	-
5 Cancer, Malignant Disease -	285	133	152	-	1	-	-	-	5	15	42	76	109	35	2	-	-
8 Diabetes Mellitus -	23	8	15	-	-	-	-	1	2	2	1	7	6	3	1	-	-
0 Other General Dis., Chronic Poisonings -	86	35	51	7	3	6	3	1	7	11	13	12	14	-	-	-	-
2 Cerebral Haemorrhage, &c. -	295	124	171	-	-	-	-	3	2	4	21	69	103	82	11	-	-
3 Oth. Dis. of Nervous System & Sense Org. -	89	52	37	25	5	1	3	7	6	9	11	6	10	4	2	-	-
4 Heart Disease -	481	226	255	1	1	2	3	9	11	19	44	98	143	118	32	-	-
5 Other Circulatory Diseases -	61	33	28	-	-	-	-	-	1	-	8	11	7	29	5	-	-
6 Bronchitis -	184	101	83	20	2	-	-	1	1	5	17	28	52	49	9	-	-
7 Pneumonia (all forms) -	281	168	113	76	60	3	2	8	11	16	29	30	27	15	4	-	-
8 Other Respiratory Diseases -	39	17	22	1	3	2	-	2	-	4	3	9	8	7	-	-	-
2 (1) Gastric and Duodenal Ulcer -	32	24	8	-	-	-	-	2	2	1	8	7	7	5	-	-	-
9 Diarrhoea, &c. (all ages) -	43	24	19	27	5	-	-	1	2	2	2	1	-	2	1	-	-
0 Appendicitis -	24	14	10	-	2	5	2	3	3	1	3	1	4	-	-	-	-
1 (1) Cirrhosis of Liver -	8	5	3	-	-	-	-	1	-	-	2	1	4	-	-	-	-
1 (2) Other Diseases of Liver, &c. -	24	6	18	1	-	-	-	-	-	-	3	6	12	1	1	-	-
2 (2) Other Digestive Diseases -	50	22	28	6	1	3	2	3	2	4	4	3	12	9	1	-	-
3 Acute and Chronic Nephritis -	73	32	41	-	1	-	1	1	4	6	15	18	19	8	-	-	-
4 Other Dis. of Genito-Urinary System -	29	18	11	1	3	-	-	3	1	1	2	3	11	4	-	-	-
5 Puerperal Sepsis -	6	-	6	-	-	-	-	2	3	1	-	-	-	-	-	-	-
6 Other Puerperal Causes -	11	-	11	-	-	-	-	2	4	5	-	-	-	-	-	-	-
7 Diseases of Skin and Locomotor System -	18	9	9	1	4	1	-	2	2	1	3	1	1	1	1	-	-
8 Congen. Debil., Prem. Birth, Malform., &c. -	136	75	61	133	3	-	-	-	-	-	-	-	-	-	-	-	-
9 Old Age -	83	28	55	-	-	-	-	-	-	-	-	-	17	37	29	-	-
0 Suicide -	31	19	12	-	-	-	-	1	7	9	6	5	2	1	-	-	-
2 Other Violence -	86	54	32	6	10	8	1	5	7	8	9	5	16	10	1	-	-
3 Causes Ill-defined or Unknown -	38	19	19	1	-	-	-	2	1	1	5	10	10	7	1	-	-
ALL CAUSES -	2942	1484	1458	355	179	57	31	127	132	162	298	438	612	447	104	-	-

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—March 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.					Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)					...	...	...	...	...	...	...	...	...
4	Measles					6	1	2	...	3	...	...	...	...
5	Scarlet Fever					12	8	1	...	...	1	1	1	...
6	Whooping-cough					61	30	9	2	2	7	2	...	...
7	Diphtheria					17	12	...	1	1	1	...	...	...
8	Influenza					50	19	13	3	...	1	2	...	...
14 (1)	Cerebro-spinal Fever					26	15	2	2	2	2	...	1	...
14 (2)	Other Epidemic Diseases*					18	10	3	...	1	1	1	1	...
10	Tuberculosis of Respiratory System ...					164	85	27	11	12	7	4	2	...
11	Other Tuberculous Diseases					67	35	6	8	3	4	...	3	...
14 (3)	Other Infectious and Parasitic Diseases					5	1	...	1	1	...	1	...	...
15	Cancer, Malignant Disease					285	131	53	21	19	7	9	9	...
18	Diabetes Mellitus					23	8	5	...	...	...	2	...	...
20	Oth. Gen. Diseases, Chronic Poisonings					86	33	16	5	6	2	2	...	...
22	Cerebral Hæmorrhage, &c.					295	109	60	27	29	9	6	9	...
23	Oth. Dis. of Nerv. Syst. and Sense Org.					89	40	15	6	6	3	2	3	...
24	Heart Disease					481	194	109	40	34	16	16	12	...
25	Other Circulatory Diseases					61	19	14	4	7	4	...	...	...
26	Bronchitis					184	86	24	18	7	7	3	3	...
27	Pneumonia (all forms)					281	141	45	17	17	7	13	8	...
28	Other Respiratory Diseases					39	13	8	5	3	2	...	...	...
32 (1)	Gastric and Duodenal Ulcer					32	18	2	...	1	1	2	2	...
29	Diarrhœa, &c. (all Ages)					43	31	5	1	1	...	1	...	...
30	Appendicitis					24	9	5	3	2	...	1	...	...
31 (1)	Cirrhosis of Liver					8	3	2	...	1	1	...	...	...
31 (2)	Other Diseases of Liver, &c.					24	10	5	1	1	1	...	...	...
32 (2)	Other Digestive Diseases					50	22	9	3	5	2	1	1	...
33	Acute and Chronic Nephritis					73	29	12	8	6	7	...	2	...
34	Oth. Diseases of Genito-Urinary System					29	8	11	4	...	...	1	2	...
35	Puerperal Sepsis					6	3	...	1	...	...	...	1	...
36	Other Puerperal Causes					11	6	...	...	...	1	1	1	...
37	Dis. of Skin, and of Locomotor System					18	10	3	...	2	...	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.					136	68	15	11	6	5	5	4	...
39	Old Age					83	25	21	10	7	1	1	...	...
40	Suicide					31	9	5	5	1	1	1	1	...
42	Other Violence					86	40	16	4	11	1	2	3	...
43	Causes Ill-defined or Unknown ...					38	27	...	2	3	1	...	2	...
All Causes ...						2942	1308	523	224	200	103	81	71	4
AGE AT DEATH.														
Under 1						355	196	36	22	20	17	8	7	...
1- 4						179	78	24	18	8	6	13	5	...
5- 9						57	25	4	7	3	4	1	2	...
10-14						31	17	3	3	1	1	2	...	...
15-24						127	67	17	9	6	8	3	3	...
25-34						132	61	21	7	11	5	7	5	...
35-44						162	78	21	9	14	6	7	6	...
45-54						298	131	60	15	25	12	5	9	...
55-64						438	199	87	40	23	9	10	12	...
65-74						612	265	121	43	40	17	20	14	...
75-84						447	158	103	44	36	13	5	8	...
85 and over						104	33	26	7	13	5	...	...	...
Not stated ... ..						...	...	...	...	...	...	...	...	...
All Ages ...						2942	1308	523	224	200	103	81	71	4

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—March 1933—*continued*.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	6	2	...	...	1	...	...
7	Diphtheria ... ..	...	...	...	...	...	...	...	1
8	Influenza... ..	2	1	4	...	...	1	2	2
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	1	1	...	...
14 (2)	Other Epidemic Diseases*	...	1	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	2	5	1	...	1	2	...	2
11	Other Tuberculous Diseases ... ..	...	...	1	...	3	...	2	...
14 (3)	Other Infectious and Parasitic Diseases	1	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	6	6	3	5	5	2	3	3
18	Diabetes Mellitus ... ..	...	1	...	3	...	3	1	...
20	Oth. Gen. Diseases, Chronic Poisonings	1	4	3	4	2	3	1	2
22	Cerebral Hæmorrhage, &c.	4	8	8	...	5	5	4	9
23	Oth. Dis. of Nerv. Syst. and Sense Org.	2	4	3	1	...	1	1	2
24	Heart Disease	6	5	9	4	9	11	4	5
25	Other Circulatory Diseases ... ..	...	...	1	5	1	...	4	2
26	Bronchitis	8	4	5	...	4	4	5	3
27	Pneumonia (all forms)	2	7	4	3	1	3	2	2
28	Other Respiratory Diseases ... ..	...	1	6	...	...	1	...	...
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	4	1	...	...	...	1
29	Diarrhœa, &c. (all Ages) ... ..	...	...	...	1	...	1	1	1
30	Appendicitis ... ..	...	...	1	...	1	...	...	2
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	1	...	...	...	1	...	...	2
32 (2)	Other Digestive Diseases ... ..	...	2	1	1	2	1	...	...
33	Acute and Chronic Nephritis	1	4	...	1	1	...	1	1
34	Oth. Diseases of Genito-Urinary System	...	...	1	...	1	...	...	1
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	1
36	Other Puerperal Causes ... ..	...	...	...	...	...	1	...	...
37	Dis. of Skin, and of Locomotor System	...	1	...	1	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	2	2	2	2	2	3	3	2
39	Old Age	5	1	...	3	3	2	1	1
40	Suicide	4	...	...	...	...	1	2	...
42	Other Violence	3	2	...	...	1	2	...	...
43	Causes Ill-defined or Unknown ... ..	...	1	...	1	...	...	...	1
	All Causes	50	66	59	36	45	49	37	46
	AGE AT DEATH.								
	Under 1	5	7	10	6	3	2	5	3
	1- 4 ... ..	...	11	3	3	1	4	...	3
	5- 9 ... ..	...	2	1	1	1	1	1	2
	10-14 ... ..	...	...	...	...	1	1	...	...
	15-24	1	5	2	...	2	2	...	...
	25-34	2	2	...	2	...	1	2	3
	35-44	4	3	3	...	1	4	3	1
	45-54	5	5	6	1	9	5	4	4
	55-64	6	11	9	5	7	8	3	2
	65-74	16	11	11	8	9	10	8	12
	75-84	7	*9	11	9	8	10	11	11
	85 and over	4	...	3	1	3	1	...	5
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	50	66	59	36	45	49	37	46

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of MARCH 1933.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS												
	feet.	inch.	Mean of	Absolute Maximum and Minimum.			Difference from Average.	Mean of A and B (Mean Tem- perature).	Minimum (B.)	Maximum (A.)	Mean at 9 A.M. and 9 P.M.				Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.										
				Day of Month.	Minimum.	Day of Month.					Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.			N	NE	E	SE	S	SW	W	NW	Calm or Variable.		
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.625	29.780	51.1	38.6	44.9	+4.3	60	11, 25, 28	32	20th	43.1	2.4	.223	79	17	1.94	-0.73	0	4	8	8	6	18	4	2	12
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.304	29.790	50.5	38.3	44.4	+4.5	62	28th	33	19, 21	43.1	3.3	.260	73	14	0.88	-1.09	0	0	4	10	14	16	8	0	10
DUNDEE, College Gardens.	147	29.609	29.790	49.7	36.9	43.3	+2.3	63	28th	31	19, 25	42.5	2.4	.223	79	12	1.59	-0.47	0	6	8	8	0	8	32	0	0
ABERDEEN,* The Meteorological Office.	85	29.660	29.761	50.1	37.9	44.0	+3.9	70	23th	28	21st	42.7	2.2	.228	83	11	2.00	-0.41	1	0	2	6	20	9	3	4	17
PAISLEY, JOHN WOODROW, The Coats Observatory.	107	29.657	29.777	51.8	37.8	44.8	+3.0	61	11, 28	32	20th	43.4	2.5	.220	79	19	2.89	-0.29	0	3	11	9	10	12	4	1	12
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.530	29.790	50.5	38.4	44.5	+4.4	60	23th	32	19th	42.4	2.5	.210	79	19	3.95	-0.98	1	1	18	3	17	7	10	0	5
PERTH,† J. RITCHIE, The Museum.	22	29.770	29.795	51.5	33.4	42.5	+2.4	62	23th	28	13, 25, 26, 29	39.8	1.6	.213	86	14	1.33	-1.16	0	4	3	5	4	43	1	2	0
Means	163	29.594	29.783	50.7	37.3	44.0	+3.6	..	..	..	..	42.4	2.4	.217	80	15	2.08	-0.73	0	3	8	7	10	16	9	1	8

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 23'; Perth, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.

† At 9 A.M. only.

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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

APRIL 1933.

*Published by Authority of the Registrar-General.**Crown Copyright Reserved.***REPORT**

During the month of April 1933 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births of 3,935 living children, of whom 1,987 were males and 1,948 were females. Compared with the number in the previous month, births of male children are 34 fewer, of female children 120 fewer, and of children of both sexes 154 fewer. The monthly birth-rate in these towns taken collectively was 19·1 per thousand. This rate is 0·1 less than that for the previous month, and is 2·7 below the average.

In the individual towns the monthly birth-rate ranged from 27·5 in Hamilton, 26·9 in Greenock, and 25·1 in Motherwell and Wishaw, to 14·7 in Edinburgh, 16·0 in Falkirk, and 16·2 in Dunfermline. In Coatbridge it was 22·0, in Clydebank 20·5, in Glasgow 20·2, in Aberdeen 18·8, in Dundee 18·6, in Perth 18·6, in Paisley 17·9, in Kirkcaldy 16·7, in Kilmarnock 16·7, and in Ayr 16·7.

Of the 3,935 living children whose births were registered during the month, 3,689, or 93·7 per cent., were legitimate, while 246, or 6·3 per cent., were illegitimate. The legitimate children numbered 153 fewer than in the previous month, and the illegitimate children 1 fewer. The illegitimate rate for the month is 0·3 above that for the previous month. In the individual towns it ranged from 11·8 in Ayr, 11·1 in Perth, and 8·2 in Kirkcaldy, to 1·2 in Clydebank, 2·1 in Dunfermline, and 4·1 in Falkirk.

Marriages registered during the month numbered 1,695 and are 628 more than in the previous month. The marriage rate, 8·2 per thousand, is 3·2 above that for the previous month, but 1·0 below the average. In the individual towns it

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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ranged from 13·1 in Ayr, 10·7 in Kilmarnock, and 9·8 in Dunfermline, to 5·6 in Coatbridge, 5·9 in Falkirk, and 6·5 in Paisley.

Deaths registered in these towns during the month numbered 2,700 and are 484 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland, but with usual residence in one or other of these towns, the corrected number is found to be 2,487, of whom 1,303 were males and 1,184 were females. The corrected number is 455 fewer than in the previous month, males being 181 fewer and females 274 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 12·1 per thousand, being 1·7 less than that for the previous month, and 3·1 below the average. In the towns taken individually the death-rate ranged from 15·6 in Greenock, 15·0 in Falkirk, and 14·2 in Dunfermline, to 8·5 in Clydebank, 10·7 in Paisley, and 10·7 in Perth. In Ayr it was 14·1, in Motherwell and Wishaw 12·9, in Dundee 12·3, in Glasgow 12·0, in Edinburgh 12·0, in Aberdeen 12·0, in Kirkcaldy 11·8, in Coatbridge 11·4, in Kilmarnock 11·0, and in Hamilton 11·0.

Deaths of children of less than one year old numbered 341, and equalled an infantile mortality rate of 89 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 14 fewer than in the previous month, while the rate is the same as in that month, but 16 below the average. In the individual towns it ranged from 159 in Greenock, 140 in Motherwell and Wishaw, and 116 in Coatbridge, to 45 in Perth, 53 in Clydebank, and 55 in Kirkcaldy. In Dunfermline it was 111, in Aberdeen 98, in Glasgow 90, in Paisley 90, in Falkirk 89, in Dundee 87, in Ayr 85, in Hamilton 69, in Edinburgh 67, and in Kilmarnock 66.

Deaths from the principal epidemic diseases numbered 120, and equalled a death-rate of 0·6 per thousand. These deaths are 70 fewer than in the previous month, while the rate is 0·3 less. They include 1 from measles, 7 from scarlet fever, 58 from whooping-cough, 12 from diphtheria, 18 from influenza, 11 from cerebro-spinal fever, and 13 from other epidemic diseases, 9 of which were ascribed to erysipelas, and 4 to lethargic encephalitis. No deaths from typhoid fever were registered during the month. Compared with the number in the previous month deaths from influenza are 32 fewer, from cerebro-spinal fever 15 fewer, from measles, scarlet fever, diphtheria, and other epidemic diseases each 5 fewer, and from whooping-cough 3 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 377, and equalled a death-rate of 1·8 per thousand. Compared with the number in the previous month these deaths are 127 fewer, while the rate is 0·6 less, and is 1·1 below the average.

Deaths from all forms of tuberculosis numbered 189, of which 142 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 42 fewer, and those from respiratory tuberculosis 22 fewer. Compared with the average the former are 58 fewer and the latter 34 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

APRIL 1933.

Mean barometric pressure, 30·011 in. ; greater than the average of 1881-1915 by 0·121 inch.

Mean temperature, 47·7° F. ; greater by 3·1° F.

Mean daily range of temperature, 12·3° F. ; less by 1·7° F.

Rain, depth in inches, 1·82; less by 0·31 inch.

Wind, direction of:—a 3 days' excess of south-westerly winds.

During the greater part of the month the barometric pressure distribution was mainly anticyclonic, the pressure being generally highest to the south of Scotland ; on the 15th a rather vigorous depression moved eastwards just to the north of Scotland, and this was followed in the north by a considerable rise in pressure which gradually spread south-eastwards. Around the 23rd a low pressure system, centred on the Atlantic, extended its influence eastwards and dominated the pressure system for the remainder of the month. The extremes of barometric pressure at Edinburgh were 30·52 in. on 14th and 29·63 in. on 27th.

It was the mildest April since 1914, both day and night temperatures being well above the average ; in eastern districts maxima of over 60° F. were registered, but in the west this figure was not generally reached ; 68° F. was recorded at Stonehaven on 9th and 66° F. at Cupar on 7th and at Marchmont on 8th. 24° F. occurred in the screen at Braemar on the 23rd and on the same morning 13° F. on the grass at Dalwhinnie ; 14° F. was noted on the grass at Glenbranter on the morning of 19th. The mildest nights were probably those from 2nd to 4th, 7th, 15th to 16th, 25th to 27th and 30th.

Over eastern and extreme south-western Scotland, with the exception of the Lothians and parts of Aberdeenshire, rainfall totals were generally below normal, the deficiency locally being as much as 50 per cent. ; elsewhere totals were above the average, the excess being locally over 70 per cent. The wettest days were perhaps the 2nd, 8th and 14th, when falls of over an inch were not infrequent ; on the 2nd a noteworthy fall of 6·50 inches was reported from Lochcarron, where 2·00 in. fell also on the 14th. On the 2nd 4·14 in. fell at Kinlochquoich, 3·13 in. at Glenquoich and 2·55 in. at Glenbranter. At Ardnadam over an inch fell on 2nd, 10th, 17th and 24th. Snow or sleet was noted on several occasions, particularly around the 1st and from 18th to 20th, but no large falls were recorded.

Thunderstorms occurred on 11th, 27th, 28th and 29th ; those of 28th and 29th being very widespread, particularly those of 29th. The storms of 29th were very destructive locally ; at Fyvie Castle the storm on 29th was accompanied by heavy hail, the hail lying 6 inches deep in places ; fruit trees and bushes were damaged and several large trees struck down.

Fog was reported on 6 days and gales on 11 days. Sunshine aggregates were in all districts well below the average ; there were, however, some very bright days, the 18th, 23rd and 28th being very sunny locally. Aurora was observed on nights of 2nd, 12th, 16th, 17th, 18th and 24th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 32.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, APRIL 1933.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Enumerated at Census 1931.	Estimated to middle of 1933.	Males.	Females.	Total.	Legitimate.	Illegitimate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,088,524	1,111,600	941	908	1849	1734	115	740	658	541	1199	151	46	1094
EDINBURGH, . .	439,010	451,900	289	276	545	505	40	316	283	256	519	87	13	445
DUNDEE, . . .	175,681	177,500	133	138	271	250	21	140	101	85	186	12	6	180
ABERDEEN, . . .	167,258	170,900	132	132	264	248	16	118	87	100	187	33	14	168
PAISLEY, . . .	86,445	88,300	58	72	130	123	7	47	42	34	76	5	7	78
GREENOCK, . . .	78,949	79,700	92	84	176	168	8	45	48	51	99	5	8	102
MOTHERWELL AND WISHAW, . .	64,710	65,900	62	74	136	130	6	40	30	22	52	0	18	70
CLYDEBANK, . .	46,952	48,700	41	41	82	81	1	34	10	11	21	0	13	34
KIRKCALDY, . .	43,874	44,400	34	27	61	56	5	26	23	17	40	4	7	43
COATBRIDGE, . .	43,056	43,700	47	32	79	75	4	20	18	23	41	4	4	41
KILMARNOCK, . .	38,100	38,600	29	24	53	49	4	34	20	24	44	12	3	35
HAMILTON, . . .	37,862	38,500	50	37	87	83	4	27	20	13	33	3	5	35
AYR,	36,783	37,200	30	31	51	45	6	40	30	29	59	18	2	43
FALKIRK, . . .	36,566	37,300	28	21	49	47	2	18	32	26	58	12	0	46
DUNFERMLINE, . .	35,058	36,100	22	26	48	47	1	29	31	18	49	11	4	42
PERTH,	34,807	35,300	29	25	54	48	6	21	24	13	37	9	3	31
TOTAL (SIXTEEN TOWNS)	2,453,635	2,505,600	1987	1948	3935	3689	246	1695	1437	1263	2700	366	153	2487

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, APRIL 1933.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		† Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW, . . .	20·2	6·2	8·1	13·1	12·0	0·6	1·0	0·8	2·1	162	90
EDINBURGH, . .	14·7	7·3	8·5	14·0	12·0	0·5	0·9	0·6	1·4	38	67
DUNDEE, . . .	18·6	7·7	9·6	12·8	12·3	0·4	0·5	0·3	1·4	23	87
ABERDEEN, . . .	18·8	6·1	8·4	13·3	12·0	0·4	1·0	1·0	2·0	25	98
PAISLEY, . . .	17·9	5·4	6·5	10·5	10·7	1·0	0·7	0·7	1·7	12	90
GREENOCK, . . .	26·9	4·5	6·9	15·1	15·6	1·1	1·5	1·2	1·4	22	159
MOTHERWELL AND WISHAW, . .	25·1	4·4	7·4	9·6	12·9	0·7	0·7	0·4	2·2	16	140
CLYDEBANK, . .	20·5	1·2	8·5	5·2	8·5	0·2	1·2	1·0	0·7	4	53
KIRKCALDY, . .	16·7	8·2	7·1	11·0	11·8	0·3	1·4	0·5	1·1	3	55
COATBRIDGE, . .	22·0	5·1	5·6	11·4	11·4	1·7	0·8	0·3	2·8	10	116
KILMARNOCK, . .	16·7	7·5	10·7	13·9	11·0	0·3	0·6	0·6	1·2	4	66
HAMILTON, . . .	27·5	4·6	8·5	10·4	11·0	0·6	0·3	0·0	1·6	5	69
AYR,	16·7	11·8	13·1	19·3	14·1	1·0	1·0	1·0	2·3	5	85
FALKIRK, . . .	16·0	4·1	5·9	18·9	15·0	0·7	0·7	0·7	3·3	5	89
DUNFERMLINE, . .	16·2	2·1	9·8	16·5	14·2	0·3	0·3	0·0	1·7	5	111
PERTH,	18·6	11·1	7·2	12·8	10·7	0·7	0·3	0·3	1·0	2	45
TOTAL (SIXTEEN TOWNS)	19·1	6·3	8·2	13·1	12·1	0·6	0·9	0·7	1·8	341	89

* Based on the average number of births registered monthly during the past 12 months.

† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR APRIL 1933, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
APR. 1933, .	19·1	6·3	8·2	12·1	0	1	7	58	12	18	11	13	89	47°·7
APR. 1932, .	21·1	6·6	7·4	15·2	0	81	10	27	24	73	17	17	107	42°·7
APR. 1931, .	21·4	6·6	9·1	15·1	0	5	14	97	20	74	22	12	105	44°·8
APR. 1930, .	21·6	6·4	9·7	15·3	1	106	5	63	23	43	20	24	103	45°·5
APR. 1929, .	22·5	6·4	10·3	14·6	0	2	7	60	23	33	28	18	96	42°·8
APR. 1928, .	22·7	5·7	9·6	16·1	1	107	10	104	38	38	11	12	116	45°·3
APR. 1927, .	22·2	5·6	8·2	14·6	2	19	6	63	15	53	10	11	101	44°·4
APR. 1926, .	24·8	6·0	8·4	19·4	2	138	25	59	41	330	7	14	123	47°·0
APR. 1925, .	24·0	6·5	9·2	15·0	2	30	22	151	19	35	3	14	109	43°·5
APR. 1924, .	23·8	6·5	8·8	17·8	1	150	21	135	18	153	8	18	130	43°·7
APR. 1923, .	26·4	6·2	11·2	14·5	3	66	26	81	31	30	1	28	92	42°·9

Figures in columns 5-14 have been corrected for non-resident deaths.
* Including Paratyphoid from 1931.
† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.
‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—April 1933.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles -	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever -	7	2	5	1	4	1	1	-	-	-	-	-	-	-	-	-	-
Whooping-cough -	58	29	29	24	33	1	-	-	-	-	-	-	-	-	-	-	-
Diphtheria -	12	8	4	-	6	5	1	-	-	-	-	-	-	-	-	-	-
Influenza -	18	7	11	-	-	-	-	-	1	2	3	5	5	1	1	-	-
(1) Cerebro-spinal Fever -	11	6	5	7	2	-	-	2	-	-	-	-	-	-	-	-	-
(2) Other Epidemic Diseases* -	13	9	4	2	1	-	-	2	1	1	2	1	3	-	-	-	-
Tuberculosis of Respiratory System -	142	83	59	1	1	2	7	35	32	30	17	13	4	-	-	-	-
Other Tuberculous Diseases -	47	26	21	2	14	5	2	6	6	4	2	2	4	-	-	-	-
(3) Other Infectious and Parasitic Diseases -	15	10	5	3	2	-	-	-	-	1	1	5	3	-	-	-	-
Cancer, Malignant Disease -	303	149	154	-	1	-	2	3	5	20	53	84	94	38	3	-	-
Diabetes Mellitus -	20	7	13	-	-	-	-	2	-	1	1	7	7	2	-	-	-
Other General Dis., Chronic Poisonings -	48	19	29	1	1	4	3	3	1	7	10	5	6	5	2	-	-
Cerebral Haemorrhage, &c. -	242	99	143	-	-	1	2	-	2	5	18	52	91	60	11	-	-
Oth. Dis. of Nervous System & Sense Org. -	71	36	35	15	7	1	1	4	7	9	12	4	7	4	-	-	-
Heart Disease -	409	205	204	-	2	-	3	5	11	17	37	77	148	89	20	-	-
Other Circulatory Diseases -	64	37	27	-	-	-	-	-	1	-	4	11	23	17	8	-	-
Bronchitis -	118	67	51	11	2	-	1	1	1	2	7	20	35	30	8	-	-
Pneumonia (all forms) -	227	136	91	72	39	5	2	10	9	12	21	22	22	11	2	-	-
Other Respiratory Diseases -	32	16	16	1	1	-	-	3	-	4	2	3	7	7	4	-	-
(1) Gastric and Duodenal Ulcer -	19	12	7	-	-	-	-	-	1	5	5	4	3	-	1	-	-
Diarrhoea, &c. (all ages) -	43	22	21	26	4	1	1	-	1	-	2	2	5	1	-	-	-
Appendicitis -	13	9	4	-	-	-	3	3	-	2	3	-	-	-	-	-	-
(1) Cirrhosis of Liver -	7	5	2	-	-	-	-	-	-	-	-	-	4	1	-	-	-
(2) Other Diseases of Liver, &c. -	12	4	8	1	-	-	-	-	-	-	-	8	1	2	-	-	-
(2) Other Digestive Diseases -	40	18	22	4	1	3	3	2	2	2	4	5	8	6	-	-	-
Acute and Chronic Nephritis -	60	28	32	-	1	1	-	1	3	7	7	20	12	7	1	-	-
Other Dis. of Genito-Urinary System -	34	22	12	1	-	-	-	1	-	1	9	5	9	7	1	-	-
Puerperal Sepsis -	6	-	6	-	-	-	-	1	2	3	-	-	-	-	-	-	-
Other Puerperal Causes -	13	-	13	-	-	-	-	4	3	6	-	-	-	-	-	-	-
Diseases of Skin and Locomotor System -	21	14	7	3	1	1	3	-	1	1	1	3	5	2	-	-	-
Congen. Debil., Prem. Birth, Malform., &c. -	161	93	68	160	1	-	-	-	-	-	-	-	-	-	-	-	-
Old Age -	75	35	40	-	-	-	-	-	-	-	-	1	11	42	21	-	-
Suicide -	23	16	7	-	-	-	-	3	2	6	7	4	1	-	-	-	-
Other Violence -	71	52	19	4	10	7	2	7	8	7	6	9	3	6	2	-	-
Causes Ill-defined or Unknown -	31	22	9	2	1	1	-	-	1	2	4	8	10	2	-	-	-
ALL CAUSES -	2487	1303	1184	1311	136	39	37	98	101	157	239	383	531	340	85	-	-

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—April 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Cardiff.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	1	...	...	...	1	...	...	...	...
5	Scarlet Fever	7	6	1	...	...	...	...	...	...
6	Whooping-cough	58	23	7	4	2	5	6	1	...
7	Diphtheria	12	6	1	...	...	1	1	1	...
8	Influenza	18	9	4	...	...	...	...	1	...
14 (1)	Cerebro-spinal Fever	11	5	1	...	1	...	...	1	...
14 (2)	Other Epidemic Diseases*	13	6	3	2	1	1	...	...	...
10	Tuberculosis of Respiratory System ...	142	70	24	4	14	5	8	2	...
11	Other Tuberculous Diseases	47	22	9	4	...	...	2	2	...
14 (3)	Other Infectious and Parasitic Diseases	15	5	5	1	...	1	...	...	...
15	Cancer, Malignant Disease	303	118	73	32	25	9	9	7	...
18	Diabetes Mellitus	20	7	4	...	3	...	...	1	...
20	Oth. Gen. Diseases, Chronic Poisonings	48	18	10	1	3	1	2	2	...
22	Cerebral Hæmorrhage, &c.	242	98	43	21	18	4	10	4	...
23	Oth. Dis. of Nerv. Syst. and Sense Org.	71	25	11	5	3	...	6	3	...
24	Heart Disease	409	189	73	34	20	19	10	5	...
25	Other Circulatory Diseases	64	19	16	3	10	2	4	...	...
26	Bronchitis	118	54	20	7	7	2	3	9	...
27	Pneumonia (all forms)	227	124	24	13	18	8	6	3	...
28	Other Respiratory Diseases	32	12	9	...	3	2	...	...	...
32 (1)	Gastric and Duodenal Ulcer	19	8	5	...	...	2	...	1	...
29	Diarrhœa, &c. (all Ages)	43	24	8	1	1	...	4	2	...
30	Appendicitis	13	5	2	2	1	1	2	...	...
31 (1)	Cirrhosis of Liver	7	1	3	...	...	1	...	1	...
31 (2)	Other Diseases of Liver, &c.	12	6	1	...	...	...	1	2	...
32 (2)	Other Digestive Diseases	40	17	6	5	4	1	1	1	...
33	Acute and Chronic Nephritis	60	16	16	6	6	1	3	4	...
34	Oth. Diseases of Genito-Urinary System	34	21	8	1	...	1	1	...	...
35	Puerperal Sepsis	6	5	...	1	...	...	...	...	...
36	Other Puerperal Causes	13	6	1	...	...	...	2	1	...
37	Dis. of Skin, and of Locomotor System	21	11	7	1	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	161	69	22	15	11	6	12	7	...
39	Old Age	75	30	7	11	6	...	4	2	...
40	Suicide	23	8	4	4	...	...	2	...	...
42	Other Violence	71	35	16	1	7	2	2	4	...
43	Causes Ill-defined or Unknown ...	31	16	1	1	3	3	1	3	...
	All Causes ...	2487	1094	445	180	168	78	102	70	...
	AGE AT DEATH.									
	Under 1	341	162	38	23	25	12	22	16	...
	1- 4	136	63	19	8	10	6	9	4	...
	5- 9	39	20	4	1	2	2	1	1	...
	10-14	37	20	8	1	...	2	1	1	...
	15-24	98	53	12	1	4	5	7	1	...
	25-34	101	48	14	3	8	4	6	3	...
	35-44	157	78	26	13	10	4	6	4	...
	45-54	239	103	51	11	13	6	9	7	...
	55-64	383	162	80	37	20	10	10	11	...
	65-74	531	221	100	45	33	16	17	12	...
	75-84	340	137	69	33	30	7	11	10	...
	85 and over	85	27	24	4	13	4	3	...	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages ...	2487	1094	445	180	168	78	102	70	...

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—April 1933—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough	1	3	...	2	2	1	1	...
7	Diphtheria ... ..	...	...	...	...	...	...	...	1
8	Influenza... ..	...	2	...	...	...	1	...	1
14 (1)	Cerebro-spinal Fever ... ..	...	1	1	...	1	...	...	...
14 (2)	Other Epidemic Diseases*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	2	1	2	...	3	2	...	1
11	Other Tuberculous Diseases	3	2	...	1	...	...	1	...
14 (3)	Other Infectious and Parasitic Diseases	...	...	1	...	1	...	1	...
15	Cancer, Malignant Disease	2	2	3	5	2	6	4	2
18	Diabetes Mellitus	1	...	1	1	...	...	1	...
20	Oth. Gen. Diseases, Chronic Poisonings	1	...	1	1	1	1	2	1
22	Cerebral Hæmorrhage, &c.	5	3	4	4	2	7	6	7
23	Oth. Dis. of Nerv. Syst. and Sense Org.	5	2	...	1	4	2	...	3
24	Heart Disease	5	7	5	7	8	5	11	7
25	Other Circulatory Diseases	4	...	2	1	...	1	1	...
26	Bronchitis	2	1	3	3	5	...	...	1
27	Pneumonia (all forms)	1	8	2	2	2	9	4	1
28	Other Respiratory Diseases	1	1	1	...	...	1	1	1
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	2	...	...	1	...	...
29	Diarrhoea, &c. (all Ages) ... ..	...	2	...	...	...	...	1	...
30	Appendicitis ... ..	...	...	...	...	...	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	1	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	1	1	...	...	...	...	...
32 (2)	Other Digestive Diseases ... ..	...	1	2	...	...	1	...	1
33	Acute and Chronic Nephritis	1	...	...	...	2	3	1	...
34	Oth. Diseases of Genito-Urinary System	...	...	1	...	...	1	...	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	1	2	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	1	...	...	...	...	1
38	Congenital Debility, Premature Birth, Malformations, &c.	2	1	1	4	2	2	3	1
39	Old Age	4	2	...	1	5	1	1	1
40	Suicide	2	...	1	...	...	...	1	...
42	Other Violence ... ..	...	...	...	1	1	...	1	1
43	Causes Ill-defined or Unknown ...	1	1	...	...	...	1	...	...
	All Causes ...	43	41	35	35	43	46	42	31
	AGE AT DEATH.								
	Under 1	3	10	4	5	5	5	5	2
	1- 4	2	6	...	2	2	...	2	1
	5- 9	1	2	2	1	1	...	1	...
	10-14 ... ..	...	...	1	...	...	2	...	...
	15-24	1	2	2	1	5	2	1	...
	25-34	2	2	1	2	...	1	...	4
	35-44	1	...	2	3	3	3	3	1
	45-54	5	3	4	5	3	5	5	2
	55-64	4	5	5	4	6	7	6	9
	65-74	13	7	8	6	9	18	12	8
	75-84	7	3	5	5	7	3	7	3
	85 and over	4	1	1	1	2	...	...	1
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages ...	43	41	35	35	43	46	42	31

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of APRIL 1933.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	Height of Barometer above Sea-level.	Mean at Station-level and 32°.	Mean of	Absolute Maximum and Minimum.				Difference from Average.	Mean at 9 A.M. and 9 P.M.			Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				Maximum (A.)	Minimum (B.)	Mean of A and B (Mean Tem- perature).	Day of Month.		Minimum.	Day of Month.	Dry Bulb.				Depression of Wet Bulb.	Vapour Pressure.	Humidity.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
 West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.

† At 9 A.M. only.

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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

MAY 1933.

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REPORT

During the month of May 1933 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births of 4,306 living children, of whom 2,211 were males and 2,095 were females. Compared with the number in the previous month, births of male children are 224 more, of female children 147 more, and of children of both sexes 371 more. The monthly birth-rate in these towns taken collectively was 20·2 per thousand. This rate is 1·1 more than that for the previous month, but is 1·2 below the average.

In the individual towns the monthly birth-rate ranged from 25·6 in Coatbridge, 24·4 in Hamilton, and 23·5 in Kilmarnock, to 16·0 in Edinburgh, 17·2 in Clydebank, and 18·1 in Motherwell and Wishaw. In Greenock the rate was 23·0, in Falkirk 22·4, in Glasgow 21·6, in Kirkcaldy 20·7, in Dundee 20·4, in Ayr 20·3, in Aberdeen 19·8, in Paisley 19·6, in Perth 19·0, and in Dunfermline 18·9.

Of the 4,306 living children whose births were registered during the month, 4,053 or 94·1 per cent. were legitimate, while 253 or 5·9 per cent. were illegitimate. The legitimate children numbered 364 more than in the previous month, and the illegitimate children 7 more. The illegitimate rate for the month is 0·4 below that for the previous month. In the individual towns it ranged from 10·5 in Perth, 7·5 in Dundee, and 6·7 in Edinburgh, to 1·9 in Greenock, 2·7 in Paisley, 2·8 in Clydebank, and 2·8 in Falkirk.

Marriages registered during the month numbered 971 and are 724 less than in the previous month. The marriage rate, 4·6 per thousand, is 3·6 below that for the previous month, but 1·1 above the average. In the individual towns it

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

EDINBURGH

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ranged from 6·9 in Dunfermline, 5·2 in Edinburgh, 5·0 in Aberdeen, and 5·0 in Falkirk, to 1·5 in Greenock, 2·7 in Paisley, 2·7 in Kilmarnock, and 2·7 in Hamilton.

Deaths registered in these towns during the month numbered 2,978 and are 278 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,754, of whom 1,403 were males and 1,351 were females. The corrected number is 267 more than in the previous month, males being 100 more and females 167 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 12·9 per thousand, being 0·8 more than that for the previous month, but 0·6 below the average. In the towns taken individually the death-rate ranged from 16·0 in Perth, 15·5 in Greenock, and 14·7 in Paisley, to 8·9 in Ayr, 9·8 in Kirkcaldy, and 10·1 in Clydebank. In Glasgow it was 13·5, in Falkirk 13·2, in Edinburgh 12·6, in Coatbridge 12·6, in Dundee 12·5, in Kilmarnock 12·2, in Hamilton 12·2, in Aberdeen 11·6, in Motherwell and Wishaw 11·6, and in Dunfermline 10·8.

Deaths of children of less than one year old numbered 340, and equalled an infantile mortality rate of 86 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 1 fewer than in the previous month, while the rate is 3 less than in that month, and 5 below the average. In the individual towns the rate ranged from 146 in Coatbridge, 119 in Greenock, and 97 in Glasgow, to 0 in Dunfermline, 35 in Falkirk, and 51 in Ayr. In Paisley it was 88, in Kirkcaldy 88, in Perth 87, in Motherwell and Wishaw 85, in Hamilton 80, in Dundee 78, in Aberdeen 69, in Edinburgh 66, in Kilmarnock 62, and in Clydebank 52.

Deaths from the principal epidemic diseases numbered 148, and equalled a death-rate of 0·7 per thousand. These deaths are 28 more than in the previous month, while the rate is 0·1 more. They include 1 from typhoid fever, 2 from measles, 10 from scarlet fever, 66 from whooping-cough, 14 from diphtheria, 25 from influenza, 15 from cerebro-spinal fever, and 15 from other epidemic diseases, 11 of which were ascribed to erysipelas, 2 to dysentery, 1 to acute poliomyelitis, and 1 to lethargic encephalitis. Compared with the number in the previous month, deaths from whooping-cough are 8 more, from influenza 7 more, from cerebro-spinal fever 4 more, from scarlet fever 3 more, from diphtheria 2 more, from other epidemic diseases 2 more, from typhoid fever 1 more, and from measles 1 more.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 369, and equalled a death-rate of 1·7 per thousand. Compared with the number in the previous month these deaths are 8 fewer, while the rate is 0·1 less, and is 0·6 below the average.

Deaths from all forms of tuberculosis numbered 209, of which 162 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 20 more, and those from respiratory tuberculosis 20 more. Compared with the average the former are 30 fewer and the latter 1 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MAY 1933.

Mean barometric pressure, 29·949 in. ; greater than the average of 1881-1915 by 0·001 in.

Mean temperature, 51°·1 F. ; greater by 1°·4 F.

Mean daily range of temperature, 12°·4 F. ; less by 2°·6 F.

Rain, depth in inches, 2·03 ; less by 0·43 in.

Wind, direction of:—a 3 days' excess of easterly winds.

Throughout most of the month Scotland lay in a region of barometric pressure which separated two high and two low pressure systems and as a result weather was mainly quiet and local thunderstorms rather prevalent. The extremes of barometric pressure at Edinburgh were 30·23 in. on 22nd and 29·56 in. on 7th.

While day temperatures differed on the average very little from the normal, the nights were on the whole very mild, the mean temperature for the month in many areas being the highest for May since 1922. The warmest period occurred between the 20th and 22nd, when temperatures approached or exceeded 70° F. locally ; 73° F. was recorded on the 21st at Perth and on the 22nd at Ruthwell and Kilmarnock. In the Shetlands the highest temperature failed to reach 60° F. Ground frosts occurred locally in the early mornings, particularly in the Central Grampian area, the coldest mornings being perhaps those of the 2nd, 3rd, 14th and 15th. The temperature in the screen dropped on the morning of the 2nd to 25° F. at both Balmoral and Dalwhinnie, and the grass temperature to 13° F. at Dalwhinnie on the 2nd and to 17° F. at Logie Coldstone on the 3rd.

Rainfall aggregates, owing to the prevalence of thundery showers, varied very irregularly, but over most of Scotland they were generally well below the average, the deficiency locally exceeding 70 per cent. The areas where the rainfall approached to or exceeded the normal were chiefly confined to parts of Argyllshire, Dumfriesshire and regions adjoining the estuary and valley of the Clyde ; the wettest days were the 6th and 26th, when falls of over an inch were reported, the largest being 2·20 in. at Evan Water on 22nd. Hail fell locally on 14th and 26th and a slight snowshower at Braemar on the 1st.

Thunderstorms were frequent, occurring on at least 18 different days, while fog was noted on 11 days, being rather dense at Lerwick on the 7th and 25th. The month was in many areas one of the quietest on record and no gales were reported.

It was also very dull, sunshine aggregates being generally below the normal except perhaps in the Western Isles ; over 200 hours' sunshine was registered at Tiree, while locally in eastern Scotland there were less than 100 hours. Tiree had 9 days with over 11 hours' sunshine per day. At Blackford Hill Observatory it was the most sunless May since records commenced.

Aurora was observed in northern and north-western districts on nights of 1st and 2nd.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 40.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, MAY 1933.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Enumerated at Census 1931.	Estimated to middle of 1933.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,088,524	1,111,600	1049	994	2043	1912	131	460	726	652	1378	153	53	1278
EDINBURGH, . .	439,010	451,900	284	330	614	573	41	199	279	278	557	86	11	482
DUNDEE, . . .	175,681	177,500	171	136	307	284	23	66	95	97	192	15	11	188
ABERDEEN, . .	167,258	170,900	155	132	287	273	14	73	101	93	194	37	12	169
PAISLEY, . . .	86,445	88,300	80	67	147	143	4	20	59	59	118	8	0	110
GREENOCK, . .	73,949	79,700	75	81	156	153	3	10	63	45	108	9	6	105
MOTHERWELL AND WISHAW, .	64,710	65,900	52	49	101	97	4	22	33	22	55	1	11	65
CLYDEBANK, . .	46,952	48,700	35	36	71	69	2	15	11	11	22	1	21	42
KIRKCALDY, . .	43,874	44,400	44	34	78	74	4	13	15	22	37	2	2	37
COATBRIDGE, . .	43,056	43,700	50	45	95	91	4	14	23	22	45	3	5	47
KILMARNOCK, . .	38,100	38,600	43	34	77	72	5	9	25	15	40	5	5	40
HAMILTON, . . .	37,862	38,500	42	33	80	75	5	9	23	12	35	2	7	40
AYR,	36,783	37,200	35	29	64	61	3	12	24	24	48	22	2	28
FALKIRK, . . .	36,566	37,300	39	32	71	69	2	16	30	23	53	12	1	42
DUNFERMLINE, .	35,058	36,100	28	30	58	56	2	21	23	21	44	14	3	33
PERTH,	34,807	35,300	29	23	57	51	6	12	30	22	52	10	6	48
TOTAL . . . (SIXTEEN TOWNS)	2,453,635	2,505,600	2211	2095	4306	4053	253	971	1560	1418	2978	380	156	2754

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, MAY 1933.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		† Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, .	21·6	6·4	4·9	14·6	13·5	0·7	1·0	0·8	2·0	182	97	
EDINBURGH, .	16·0	6·7	5·2	14·5	12·6	0·6	1·0	0·9	1·0	39	66	
DUNDEE, . .	20·4	7·5	4·4	12·7	12·5	0·8	0·9	0·5	1·5	21	78	
ABERDEEN, .	19·8	4·9	5·0	13·4	11·6	0·6	0·6	0·5	1·9	18	69	
PAISLEY, . .	19·6	2·7	2·7	15·7	14·7	0·7	1·2	0·5	1·7	12	88	
GREENOCK, .	23·0	1·9	1·5	16·0	15·5	1·8	1·9	1·6	2·5	17	119	
MOTHERWELL AND WISHAW,	18·1	4·0	3·9	9·8	11·6	0·5	1·4	0·9	1·6	10	85	
CLYDEBANK, .	17·2	2·8	3·6	5·3	10·1	0·2	0·5	0·5	1·9	4	52	
KIRKCALDY, .	20·7	5·1	3·4	9·8	9·8	0·0	0·8	0·5	0·5	5	83	
COATBRIDGE, .	25·6	4·2	3·8	12·1	12·6	1·1	0·3	0·3	2·2	13	146	
KILMARNOCK,	23·5	6·5	2·7	12·2	12·2	1·5	2·1	2·1	1·8	4	62	
HAMILTON, .	24·4	6·3	2·7	10·7	12·2	0·6	1·5	1·5	1·5	6	80	
AYR,	20·3	4·7	3·8	15·2	8·9	0·0	0·3	0·3	1·3	3	51	
FALKIRK, . .	22·4	2·8	5·0	16·7	13·2	0·0	1·3	0·9	2·5	2	35	
DUNFERMLINE,	13·9	3·4	6·9	14·4	10·8	0·3	1·0	0·7	1·3	0	0	
PERTH, . . .	19·0	10·5	4·0	17·4	16·0	1·0	0·0	0·0	2·0	4	87	
TOTAL . . . (SIXTEEN TOWNS)	20·2	5·9	4·6	14·0	12·9	0·7	1·0	0·8	1·7	340	86	

* Based on the average number of births registered monthly during the past 12 months.
† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR MAY 1933, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					* Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	+ Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
MAY. 1933. .	20.2	5.9	4.6	12.9	1	2	10	66	14	25	15	15	86	51°·1
MAY. 1932. .	20.4	6.1	4.2	13.4	0	63	10	28	9	35	13	13	88	49°·3
MAY. 1931. .	20.4	7.4	3.2	12.5	0	21	11	67	17	25	19	15	87	50°·7
MAY. 1930. .	22.0	6.5	3.2	14.1	0	82	7	64	22	27	21	19	91	49°·6
MAY. 1929. .	21.6	7.5	3.4	13.7	1	1	4	51	22	12	30	16	94	50°·5
MAY. 1928. .	22.4	6.7	3.3	14.1	1	83	5	109	15	27	6	19	95	49°·6
MAY. 1927. .	22.1	6.7	4.5	13.3	1	18	6	71	12	29	12	17	85	48°·4
MAY. 1926. .	22.4	5.9	4.2	14.1	0	66	17	26	21	68	2	24	81	48°·3
MAY. 1925. .	23.9	6.6	3.4	12.7	1	29	11	156	23	20	4	18	90	50°·2
MAY. 1924. .	24.4	6.4	3.3	14.1	0	119	24	98	29	43	10	33	94	48°·2
MAY. 1923. .	25.6	6.9	4.0	14.2	2	56	12	85	15	17	2	25	93	46°·7

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—May 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45	55-	65-	75-	85 & over		
1	Typhoid Fever (including Paratyphoid) -	1	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	
4	Measles - - - - -	2	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever - - - - -	10	4	6	-	6	-	2	1	-	1	-	-	-	-	-	-	
6	Whooping-cough - - - - -	66	29	37	36	29	1	-	-	-	-	-	-	-	-	-	-	
7	Diphtheria - - - - -	14	4	10	-	7	3	2	1	-	-	1	-	-	-	-	-	
8	Influenza - - - - -	25	10	15	-	1	-	-	1	1	1	4	9	2	4	2	-	
14 (1)	Cerebro-spinal Fever - - - - -	15	9	6	4	6	3	-	1	1	-	-	-	-	-	-	-	
14 (2)	Other Epidemic Diseases* - - - - -	15	11	4	4	3	-	-	-	-	-	1	3	1	3	-	-	
10	Tuberculosis of Respiratory System -	162	94	68	1	2	4	4	44	34	35	22	14	-	2	-	-	
11	Other Tuberculous Diseases - - - - -	47	23	24	1	15	3	4	17	2	1	1	2	1	-	-	-	
14 (3)	Other Infectious and Parasitic Diseases -	8	5	3	2	1	1	-	1	-	-	-	2	1	-	-	-	
15	Cancer, Malignant Disease - - - - -	326	148	178	-	-	-	-	3	5	18	51	107	92	41	9	-	
18	Diabetes Mellitus - - - - -	31	11	20	-	-	-	-	1	2	1	2	7	14	4	-	-	
20	Other General Dis., Chronic Poisonings -	63	27	36	2	-	-	2	4	7	9	5	14	14	5	1	-	
22	Cerebral Hemorrhage, &c. - - - - -	281	131	150	-	-	-	-	-	-	10	21	64	110	69	10	-	
23	Oth. Dis. of Nervous System & Sense Org.	71	39	32	12	7	6	3	3	4	10	4	13	6	3	-	-	
24	Heart Disease - - - - -	446	207	239	-	-	2	3	12	20	19	37	89	138	110	16	-	
25	Other Circulatory Diseases - - - - -	66	31	35	-	-	-	-	-	1	-	6	8	23	24	4	-	
26	Bronchitis - - - - -	115	53	62	7	7	-	-	1	2	4	9	18	31	33	3	-	
27	Pneumonia (all forms) - - - - -	218	130	88	56	34	6	2	4	6	21	22	30	24	12	1	-	
28	Other Respiratory Diseases - - - - -	36	17	19	2	2	1	-	-	4	1	4	2	9	7	4	-	
32 (1)	Gastric and Duodenal Ulcer - - - - -	29	21	8	-	-	-	-	1	2	2	6	7	6	5	-	-	
29	Diarrhoea, &c. (all ages) - - - - -	36	28	8	29	1	-	1	2	-	-	-	1	1	1	-	-	
30	Appendicitis - - - - -	19	13	6	-	-	2	4	1	3	2	2	3	2	-	-	-	
31 (1)	Cirrhosis of Liver - - - - -	5	3	2	-	-	-	-	-	-	-	-	1	2	1	1	-	
31 (2)	Other Diseases of Liver, &c. - - - - -	17	5	12	1	-	-	-	-	-	1	3	3	4	5	-	-	
32 (2)	Other Digestive Diseases - - - - -	52	23	29	6	4	3	2	4	2	4	2	11	8	6	-	-	
33	Acute and Chronic Nephritis - - - - -	71	34	37	-	1	-	1	1	3	8	17	19	9	10	2	-	
34	Other Dis. of Genito-Urinary System -	39	22	17	-	-	-	-	-	2	3	5	5	13	10	1	-	
35	Puerperal Sepsis - - - - -	13	-	13	-	-	-	-	4	8	1	-	-	-	-	-	-	
36	Other Puerperal Causes - - - - -	14	-	14	-	-	-	-	2	8	4	-	-	-	-	-	-	
37	Diseases of Skin and Locomotor System -	20	9	11	4	2	-	1	1	-	1	1	4	4	2	-	-	
38	Congen. Debil., Prem. Birth, Malform., &c.	158	96	62	155	1	1	-	-	1	-	-	-	-	-	-	-	
39	Old Age - - - - -	73	31	42	-	-	-	-	-	-	-	-	-	18	41	14	-	
40	Suicide - - - - -	33	27	6	-	-	-	-	2	6	7	8	8	1	1	-	-	
42	Other Violence - - - - -	114	76	38	14	6	9	3	14	11	7	12	13	13	10	2	-	
43	Causes Ill-defined or Unknown - - - - -	40	30	10	4	2	-	1	-	1	2	3	12	11	3	1	-	
ALL CAUSES		2751	1403	1351	1340	137	47	35	126	136	174	249	469	558	412	71	-	

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—May 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Chapman.
1	Typhoid Fever (including Paratyphoid)	1	1	...	...	...	...	...	...	...
4	Measles	2	...	...	...	1	...	...	...	...
5	Scarlet Fever	10	6	...	1	1	...	...	...	...
6	Whooping-cough	66	34	5	6	2	2	10	3	...
7	Diphtheria	14	4	2	2	3	2	1	...	...
8	Influenza	25	6	11	2	1	...	1	...	...
14 (1)	Cerebro-spinal Fever	15	11	2	1	...	1	...	...	...
14 (2)	Other Epidemic Diseases*	15	7	2	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	162	71	33	8	7	4	11	5	...
11	Other Tuberculous Diseases	47	20	7	5	2	5	2	3	...
14 (3)	Other Infectious and Parasitic Diseases	8	4	1	1	...	...	1	...	...
15	Cancer, Malignant Disease	326	137	76	26	21	13	12	3	...
18	Diabetes Mellitus	31	10	8	3	...	1	...	4	...
20	Oth. Gen. Diseases, Chronic Poisonings	63	21	16	5	1	2	3	3	...
22	Cerebral Hæmorrhage, &c.	284	133	54	17	27	10	8	2	...
23	Oth. Dis. of Nerv. Syst. and Sense Org.	71	28	10	6	7	3	4	4	...
24	Heart Disease	446	196	79	32	26	29	13	11	...
25	Other Circulatory Diseases	66	24	12	2	3	7	3	1	...
26	Bronchitis	115	59	11	10	8	1	8	4	...
27	Pneumonia (all forms)	218	115	22	10	15	11	7	4	...
28	Other Respiratory Diseases	36	18	4	3	4	1	2	1	...
32 (1)	Gastric and Duodenal Ulcer	29	13	8	1	1	1	...	1	...
29	Diarrhœa, &c. (all Ages)	36	25	3	...	3	2	2	...	...
30	Appendicitis	19	9	2	...	3	...	1	...	...
31 (1)	Cirrhosis of Liver	5	3	2	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	17	8	4	1	...	2	1	...	...
32 (2)	Other Digestive Diseases	52	25	14	3	2	...	2	...	...
33	Acute and Chronic Nephritis	71	44	7	5	4	3	1	...	...
34	Oth. Diseases of Genito-Urinary System	39	20	8	...	2	1	1	1	...
35	Puerperal Sepsis	13	8	...	...	2	...	...	...	...
36	Other Puerperal Causes	14	9	2	2	...	...	...	1	...
37	Dis. of Skin, and of Locomotor System	20	6	11	1	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	158	79	22	12	7	5	4	5	...
39	Old Age	73	20	16	15	1	...	5	4	...
40	Suicide	33	16	8	1	4	...	...	...	...
42	Other Violence	114	62	20	6	9	2	1	2	...
43	Causes Ill-defined or Unknown ...	40	26	...	1	1	2	1	3	...
	All Causes ...	2754	1278	482	188	169	110	105	65	...
	AGE AT DEATH.									
	Under 1	340	182	39	21	18	12	17	10	...
	1- 4	137	70	15	11	8	4	14	4	...
	5- 9	47	23	4	...	5	1	3	2	...
	10-14	35	19	4	2	3	...	2	1	...
	15-24	126	62	18	8	3	8	5	3	...
	25-34	136	64	28	10	9	2	5	2	...
	35-44	174	95	25	8	7	5	4	4	...
	45-54	249	124	38	19	19	8	7	3	...
	55-64	469	227	76	26	19	22	18	17	...
	65-74	558	236	117	44	43	23	18	9	...
	75-84	412	151	101	29	28	25	10	10	...
	85 and over	71	25	17	10	7	...	2	...	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages ...	2754	1278	482	188	169	110	105	65	...

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—May 1933—*continued.*

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	1	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	1	...	...	...	...	1
6	Whooping-cough ... ..	...	2	2	...	...	...	...	...
7	Diphtheria ... ..	...	...	...	...	...	...	...	...
8	Influenza ... ..	...	...	1	1	...	...	1	1
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	...	1	1	1	...	...	...	1
10	Tuberculosis of Respiratory System ...	2	1	7	5	1	3	2	...
11	Other Tuberculous Diseases	1	...	...	...	...	1	1	...
14 (3)	Other Infectious and Parasitic Diseases	...	...	...	...	...	...	1	...
15	Cancer, Malignant Disease	1	4	5	3	5	6	6	6
18	Diabetes Mellitus ... ..	...	1	...	1	2	...	...	...
20	Oth. Gen. Diseases, Chronic Poisonings	3	...	...	1	1	1	...	3
22	Cerebral Hæmorrhage, &c.	5	3	3	3	1	1	5	8
23	Oth. Dis. of Nerv. Syst. and Sense Org.	1	2	...	...	3	...	1	2
24	Heart Disease	7	4	7	6	5	9	6	7
25	Other Circulatory Diseases	1	2	2	2	...	...	2	4
26	Bronchitis	1	4	1	...	1	2	2	2
27	Pneumonia (all forms)	1	3	4	4	3	6	2	4
28	Other Respiratory Diseases ... ..	...	1	1	1	...	...	...	...
32 (1)	Gastric and Duodenal Ulcer	1	1	...	...	...	...	1	...
29	Diarrhœa, &c. (all Ages) ... ..	...	...	...	...	...	...	...	...
30	Appendicitis	1	1	...	...	...	...	...	1
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	1	...	...	...
32 (2)	Other Digestive Diseases	1	2	...	...	...	2	1	...
33	Acute and Chronic Nephritis	1	2	...	1	...	...	...	2
34	Oth. Diseases of Genito-Urinary System	1	...	1	1	...	1	1	1
35	Puerperal Sepsis	1	1	...	...	...	1	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	...	...	1
38	Congenital Debility, Premature Birth, Malformations, &c.	3	7	2	4	2	2	...	1
39	Old Age	2	2	...	1	2	3	...	1
40	Suicide ... ..	...	1	1	1	...	...	...	1
42	Other Violence	2	1	1	2	1	3	1	...
43	Causes Ill-defined or Unknown ...	1	...	...	2	...	1	...	1
	All Causes ...	37	47	40	40	28	42	33	48
	AGE AT DEATH.								
	Under 1	5	13	4	6	3	2	...	4
	1-4	1	2	2	1	1	1	1	1
	5-9 ... ..	...	3	...	...	1	4	...	1
	10-14	1	1	...	1	...	...	...	...
	15-24	1	1	3	2	1	7	2	...
	25-34	2	2	2	2	2	1	3	1
	35-44	1	2	4	3	1	3	3	4
	45-54	3	3	3	6	1	3	2	3
	55-64	8	6	5	8	6	6	6	13
	65-74	4	9	7	8	7	5	6	13
	75-84	9	4	10	3	4	8	7	7
	85 and over	2	1	...	...	1	2	3	1
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages ...	37	47	40	40	28	42	33	48

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of May 1933.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	feet.	inch.	°	Maximum.	Day of Month.	Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity. per cent.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 23'; Perth, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 86'.

* At 7 A.M. and 6 P.M.

At 9 A.M. only.

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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

JUNE 1933.

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During the month of June 1933 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births of 4,071 living children, of whom 2,121 were males and 1,950 were females. Compared with the number in the previous month, births of male children are 90 fewer, of female children 145 fewer, and of children of both sexes 235 fewer. The monthly birth-rate in these towns taken collectively was 19·8 per thousand. This rate is 0·4 less than that for the previous month, and is 1·3 below the average.

In the individual towns the monthly birth-rate ranged from 25·3 in Coatbridge, 23·0 in Kilmarnock, and 22·6 in Greenock, to 14·5 in Perth, 16·5 in Dunfermline, and 17·8 in Edinburgh. In Motherwell and Wishaw the rate was 22·0, in Aberdeen 21·0, in Hamilton 20·8, in Kirkealdy 20·6, in Ayr 20·6, in Clydebank 20·5, in Glasgow 20·2, in Paisley 19·2, in Dundee 18·3, and in Falkirk 18·3.

Of the 4,071 living children whose births were registered during the month, 3,812 or 93·6 per cent. were legitimate, while 259 or 6·4 per cent. were illegitimate. The legitimate children numbered 241 fewer than in the previous month, but the illegitimate children 6 more. The illegitimate rate for the month is 0·5 above that for the previous month. In the individual towns it ranged from 12·3 in Kilmarnock, 10·5 in Dundee, and 7·2 in Paisley, to 1·1 in Coatbridge, 1·8 in Falkirk, and 3·7 in Clydebank.

Marriages registered during the month numbered 2,158 and are 1,187 more than in the previous month. The marriage-rate, 10·5 per thousand, is 5·9 above that for the previous month, but 0·3 below the average. In the individual towns it

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

EDINBURGH

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ranged from 13·5 in Dunfermline, 12·9 in Aberdeen, and 11·3 in Edinburgh, to 5·7 in Clydebank, 7·2 in Falkirk, and 7·4 in Motherwell and Wishaw.

Deaths registered in these towns during the month numbered 2,629 and are 349 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,413, of whom 1,229 were males and 1,184 were females. The corrected number is 341 fewer than in the previous month, males being 174 fewer and females 167 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 11·7 per thousand, being 1·2 below that for the previous month, and 0·5 below the average. In the towns taken individually the death-rate ranged from 16·9 in Greenock, 15·0 in Falkirk, and 14·8 in Kilmarnock, to 8·8 in Dunfermline, 9·9 in Kirkcaldy, and 10·0 in Coatbridge. In Perth it was 13·1, in Aberdeen 12·1, in Glasgow 11·7, in Dundee 11·7, in Clydebank 11·7, in Paisley 11·6, in Hamilton 11·4, in Edinburgh 10·9, in Motherwell and Wishaw 10·7, and in Ayr 10·5.

Deaths of children of less than one year old numbered 273, and equalled an infantile mortality rate of 72 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 67 fewer than in the previous month, while the rate is 14 less than in that month, and 1 below the average. In the individual towns this rate ranged from 138 in Greenock, 115 in Paisley, and 114 in Perth, to 22 in Dunfermline, 28 in Hamilton, and 31 in Aberdeen. In Kirkcaldy it was 91, in Glasgow 82, in Kilmarnock 78, in Falkirk 73, in Motherwell and Wishaw 71, in Coatbridge 70, in Ayr 53, in Edinburgh 52, in Dundee 47, and in Clydebank 40.

Deaths from the principal epidemic diseases numbered 105, and equalled a death-rate of 0·5 per thousand. These deaths are 43 fewer than in the previous month, and the rate is 0·2 less. They include 4 from typhoid fever, none from measles, 7 from scarlet fever, 47 from whooping-cough, 11 from diphtheria, 14 from influenza, 7 from cerebro-spinal fever, and 15 from other epidemic diseases, 10 of which were ascribed to erysipelas, 2 to acute poliomyelitis, 2 to lethargic encephalitis, and 1 to dysentery. Compared with the number in the previous month, deaths from typhoid fever are 3 more, while those from other epidemic diseases number the same, but those from scarlet fever are 3 fewer, from diphtheria 3 fewer, from cerebro-spinal fever 8 fewer, from influenza 11 fewer, and from whooping-cough 19 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 265, and equalled a death-rate of 1·3 per thousand. Compared with the number in the previous month these deaths are 104 fewer, while the rate is 0·4 less, and is 0·3 below the average.

Deaths from all forms of tuberculosis numbered 205, of which 150 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 4 fewer, and those from respiratory tuberculosis 12 fewer. Compared with the average the former are 9 fewer but the latter 1 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JUNE 1933.

Mean barometric pressure, 29·856 in.; less than the average of 1881-1915 by 0·113 in.

Mean temperature, 58°·8 F.; greater by 3°·4 F.

Mean daily range of temperature, 16°·4 F.; greater by 1°·0 F.

Rain, depth in inches, 1·87; less by 0·39 in.

Wind, direction of:—a 2 days' excess of northerly winds.

At the beginning of the month barometric pressure was mainly high to the east and low to the west of the British Isles, and at the end of the month low to the east and high in the west. In the intervening period pressure distribution was more or less cyclonic. The extremes of barometric pressure at Edinburgh were 30·41 in. on 9th and 29·07 in. on 18th, the latter being exceptionally low for June.

Both the mean day and night temperatures were well above the normal, it being perhaps the warmest June since 1858. On the 4th, 7th, 15th, 25th, 26th and 30th the temperature rose to or exceeded 75° F. locally, while on the 4th, 7th and 15th 80° F. was exceeded. 86° F. was recorded on the 4th at Gordon Castle, and on the 7th at Forres. Locally in the Western Isles and in the Orkneys and Shetlands the highest temperature recorded did not reach the 70° level. Ground frosts occurred on 7 mornings, the coldest morning being that of the 12th, when the grass temperature at Dalwhinnie was 22° F.; on the same morning the temperature in the screen at Dalwhinnie fell to 28° F.

Rainfall aggregates over the greater part of Scotland were below the average, the wettest areas being confined to north-western and south-western districts. The wettest period centred around the 17th, when locally there were falls of more than an inch; at Glen Etive 1·50 in. fell on 17th and the same amount at Lochgoilhead on 18th. On the 18th 1·52 in. fell at Balerno. Hail showers were reported on 12th, 18th and 19th.

Thunderstorms were both frequent and widespread, occurring on 16 different days, the most widespread being those of 18th, 21st and 22nd, on which dates few areas escaped. Less widespread storms were those of 8th, 24th and 25th, eastern districts being affected on the 8th, and chiefly south-western districts on 24th and 25th. Fog was reported on 8 days, being dense locally in Shetlands and in the north east between 13th and 15th, and in the Firth of Forth on 1st and 14th. Gales were reported on 1st and around 16th.

An outstanding feature of the month was the amount of brilliant sunshine experienced generally; on at least 7 days more than 15 hours sunshine were enjoyed at some place or another. On the 12th, 20th and 24th locally there was over 16 hours' sunshine, while on the last date 17 hours were recorded at Lerwick.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 48.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JUNE 1933.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Enumerated at Census 1931.	Estimated to middle of 1933.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,088,524	1,111,600	983	863	1846	1735	111	1002	623	567	1190	156	37	1071
EDINBURGH, . .	439,010	451,900	351	309	660	614	46	421	239	240	479	97	22	404
DUNDEE, . . .	175,681	177,500	183	129	267	239	28	131	88	88	176	11	6	171
ABERDEEN, . .	167,258	170,900	150	145	295	277	18	181	96	91	187	26	9	170
PAISLEY, . . .	86,445	88,300	65	74	139	129	10	60	49	42	91	9	2	84
GREENOCK, . .	78,949	79,700	66	82	148	138	10	63	57	55	112	8	7	111
MOTHERWELL AND WISHAW, .	64,710	65,900	56	63	119	114	5	40	23	27	50	1	9	58
CLYDEBANK, . .	46,952	48,700	49	33	82	79	3	23	12	11	23	1	25	47
KIRKCALDY, . .	43,874	44,400	33	42	75	70	5	31	17	16	33	4	7	36
COATBRIDGE, . .	43,056	43,700	52	39	91	90	1	29	14	15	29	0	7	36
KILMARNOCK, . .	38,100	38,600	41	32	73	64	9	26	24	26	50	8	5	47
HAMILTON, . . .	37,862	38,500	38	28	66	62	4	26	16	13	29	3	10	36
AYR,	36,783	37,200	32	31	63	60	3	32	17	20	37	9	4	32
FALKIRK, . . .	36,566	37,300	21	35	56	55	1	22	34	23	57	13	2	46
DUNFERMLINE, .	35,058	36,100	24	25	49	47	2	40	18	18	36	11	1	26
PERTH,	34,807	35,300	22	20	42	39	3	31	31	19	50	16	4	38
TOTAL (SIXTEEN TOWNS)	2,453,635	2,505,600	2121	1950	4071	3812	259	2158	1358	1271	2629	373	157	2413

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JUNE 1933.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		† Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW, . . .	20·2	6·0	11 0	13·0	11·7	0·5	1·1	0·8	1·6	147	82
EDINBURGH, . .	17·8	7·0	11·3	12·9	10·9	0·5	0·8	0·6	1·3	30	52
DUNDEE, . . .	18·3	10·5	9·0	12·1	11·7	0·5	1·0	0·8	0·9	12	47
ABERDEEN, . .	21·0	6·1	12·9	13·3	12·1	0·1	0·7	0·5	0·6	8	31
PAISLEY, . . .	19·2	7·2	8·3	12·5	11·6	0·8	1·2	0·8	0·8	15	115
GREENOCK, . .	22·6	6·8	9·6	17·1	16·9	1·7	1·2	0·8	0·8	19	138
MOTHERWELL AND WISHAW, .	22·0	4·2	7·4	9·2	10·7	0·0	0·7	0·6	1·5	8	71
CLYDEBANK, . .	20·5	3·7	5·7	5·7	11·7	0·2	1·0	1·0	1·0	3	40
KIRKCALDY, . .	20·6	6·7	8·5	9·0	9·9	0·0	0·8	0·8	0·8	5	91
COATBRIDGE, . .	25·3	1·1	8·1	8·1	10·0	0·3	1·1	0·8	0·6	6	70
KILMARNOCK, . .	23·0	12·3	8·2	15·8	14·8	0·9	0·9	0·9	2·2	5	78
HAMILTON, . . .	20·8	6·1	8·2	9·2	11·4	1·3	1·6	1·3	0·9	2	28
AYR,	20·6	4·8	10·5	12·1	10·5	0·3	1·0	1·0	1·0	3	53
FALKIRK, . . .	18·3	1·8	7·2	13·6	15·0	0·7	0·7	0·7	2·3	4	73
DUNFERMLINE, .	16·5	4·1	13·5	12·1	8·8	0·3	0·0	0·0	0·0	1	22
PERTH,	14·5	7·1	10·7	17·2	13·1	0·3	1·4	1·0	1·4	5	114
TOTAL (SIXTEEN TOWNS)	19·8	6·4	10·5	12·8	11·7	0·5	1·0	0·7	1·3	273	72

* Based on the average number of births registered monthly during the past 12 months.
† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JUNE 1933, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
JUNE 1933.	19·8	6·4	10·5	11·7	4	0	7	47	11	14	7	15	72	58°·8
JUNE 1932.	20·8	6·3	10·7	12·3	1	81	7	22	10	19	9	12	74	55°·7
JUNE 1931.	21·7	5·9	11·6	12·2	0	30	7	39	13	10	14	16	73	53°·4
JUNE 1930.	20·7	6·7	11·2	12·2	0	50	4	41	13	17	8	13	69	57°·1
JUNE 1929.	20·3	7·9	10·2	11·6	2	2	3	36	15	8	16	11	67	54°·4
JUNE 1928.	22·1	6·9	10·3	12·9	0	35	5	55	14	16	10	15	84	51°·8
JUNE 1927.	21·5	6·1	10·9	12·4	2	32	7	54	14	30	8	13	71	51°·6
JUNE 1926.	23·1	6·2	9·8	11·8	1	29	16	25	17	17	6	10	70	55°·3
JUNE 1925.	25·5	6·7	11·2	12·6	0	9	28	116	23	17	6	14	79	57°·4
JUNE 1924.	24·3	6·1	11·4	12·8	0	36	19	71	21	28	11	28	78	54°·2
JUNE 1923.	24·8	6·1	11·7	12·8	1	52	17	45	19	16	2	17	80	54°·0

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—June 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
1	Typhoid Fever (including Paratyphoid) -	4	3	1	-	1	-	-	-	2	-	1	-	-	-	-	-	
4	Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever - - - - -	7	3	4	-	3	4	-	-	-	-	-	-	-	-	-	-	
6	Whooping-cough - - - - -	47	22	25	24	22	1	-	-	-	-	-	-	-	-	-	-	
7	Diphtheria - - - - -	11	4	7	-	4	5	1	-	-	-	1	-	-	-	-	-	
8	Influenza - - - - -	14	7	7	2	-	-	-	-	3	1	3	-	5	-	-	-	
14 (1)	Cerebro-spinal Fever - - - - -	7	2	5	3	2	1	1	-	-	-	-	-	-	-	-	-	
14 (2)	Other Epidemic Diseases* - - - - -	15	9	6	1	2	1	-	-	-	1	5	3	1	-	1	-	
10	Tuberculosis of Respiratory System - - - - -	150	81	69	2	3	-	5	45	35	19	22	14	4	1	-	-	
11	Other Tuberculous Diseases - - - - -	55	28	27	5	12	7	6	7	3	4	4	3	2	2	-	-	
14 (3)	Other Infectious and Parasitic Diseases - - - - -	12	7	5	1	2	-	-	1	-	2	-	3	2	1	-	-	
15	Cancer, Malignant Disease - - - - -	338	165	173	-	-	1	-	1	5	19	57	96	105	48	6	-	
18	Diabetes Mellitus - - - - -	20	4	16	-	-	-	2	-	-	2	3	5	6	2	-	-	
20	Other General Dis., Chronic Poisonings - - - - -	60	18	42	1	1	1	5	4	4	5	16	11	10	2	-	-	
22	Cerebral Hæmorrhage, &c. - - - - -	246	110	136	1	-	-	-	1	3	4	15	44	110	59	9	-	
23	Oth. Dis. of Nervous System & Sense Org. - - - - -	73	41	32	16	8	4	-	8	5	6	11	10	4	1	-	-	
24	Heart Disease - - - - -	389	193	196	-	1	1	4	7	13	16	35	69	128	96	19	-	
25	Other Circulatory Diseases - - - - -	52	32	20	-	-	-	-	-	-	-	3	10	18	20	1	-	
26	Bronchitis - - - - -	87	49	38	7	-	-	1	1	2	1	5	15	33	19	3	-	
27	Pneumonia (all forms) - - - - -	145	89	56	32	17	4	2	12	6	10	15	17	19	8	3	-	
28	Other Respiratory Diseases - - - - -	33	16	17	1	2	1	1	2	1	1	4	6	3	8	3	-	
32 (1)	Gastric and Duodenal Ulcer - - - - -	22	20	2	1	-	-	-	-	3	3	4	7	4	-	-	-	
29	Diarrhœa, &c. (all ages) - - - - -	35	15	20	25	5	2	-	-	-	-	1	1	-	-	1	-	
30	Appendicitis - - - - -	26	18	8	-	2	2	2	6	2	4	2	1	4	1	-	-	
31 (1)	Cirrhosis of Liver - - - - -	5	1	4	-	-	-	-	-	-	-	-	2	2	1	-	-	
31 (2)	Other Diseases of Liver, &c. - - - - -	17	3	14	-	-	-	-	-	1	-	1	5	6	4	-	-	
32 (2)	Other Digestive Diseases - - - - -	47	19	28	3	2	-	1	2	2	3	3	13	10	7	1	-	
33	Acute and Chronic Nephritis - - - - -	76	46	30	1	-	2	1	1	6	9	11	19	18	7	1	-	
34	Other Dis. of Genito-Urinary System - - - - -	31	20	11	1	2	-	-	-	2	1	-	6	7	11	1	-	
35	Puerperal Sepsis - - - - -	7	-	7	-	-	-	-	2	3	1	1	-	-	-	-	-	
36	Other Puerperal Causes - - - - -	12	-	12	-	-	-	-	2	6	4	-	-	-	-	-	-	
37	Diseases of Skin and Locomotor System - - - - -	9	5	4	3	-	1	-	1	-	-	-	1	1	1	1	-	
38	Congen. Debil., Prem. Birth, Malform., &c. - - - - -	139	79	60	138	1	-	-	-	-	-	-	-	-	-	-	-	
39	Old Age - - - - -	60	23	37	-	-	-	-	-	-	-	-	1	13	25	21	-	
40	Suicide - - - - -	21	13	8	-	-	-	-	2	5	3	4	6	1	-	-	-	
42	Other Violence - - - - -	95	59	36	4	12	8	9	15	7	4	10	8	7	8	3	-	
43	Causes Ill-defined or Unknown - - - - -	46	25	21	1	1	1	-	-	2	4	7	13	12	4	1	-	
	ALL CAUSES -	2413	1229	1184	273	105	47	41	120	121	127	244	389	535	336	75	-	

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—June 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	4	3	...	1	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	7	2	1	...	...	...	2	...	...
6	Whooping-cough	47	18	11	3	1	3	9	...	...
7	Diphtheria	11	6	1	1	...	...	...	...	...
8	Influenza	14	6	2	1	...	...	...	...	1
14 (1)	Cerebro-spinal Fever	7	3	1	...	1	1	...	...	...
14 (2)	Other Epidemic Diseases*	15	10	1	1	...	2	...	...	...
10	Tuberculosis of Respiratory System ...	150	71	22	11	7	6	5	3	4
11	Other Tuberculous Diseases	55	29	9	4	3	3	3	1	...
14 (3)	Other Infectious and Parasitic Diseases	12	4	2	1	1	1	...	1	1
15	Cancer, Malignant Disease	338	140	53	35	30	12	17	5	5
18	Diabetes Mellitus	20	2	6	1	6	1	3	...	...
20	Oth. Gen. Diseases, Chronic Poisonings	60	25	8	6	4	1	4	1	2
22	Cerebral Hæmorrhage, &c.	246	104	49	16	27	5	10	5	4
23	Oth. Dis. of Nerv. Syst. and Sense Org.	73	26	9	2	5	2	7	2	2
24	Heart Disease	389	154	69	30	37	16	15	14	7
25	Other Circulatory Diseases	52	21	12	...	7	4	...	...	2
26	Bronchitis	87	44	20	3	2	1	3	2	...
27	Pneumonia (all forms)	145	84	23	8	4	4	...	6	4
28	Other Respiratory Diseases	33	15	5	2	3	1	2	...	...
32 (1)	Gastric and Duodenal Ulcer	22	8	4	...	3	1	2	...	1
29	Diarrhœa, &c. (all Ages)	35	25	2	1	...	2	3	...	...
30	Appendicitis	26	11	5	...	2	1	2	...	1
31 (1)	Cirrhosis of Liver	5	2	...	2	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	17	8	1	2	...	1	1	1	1
32 (2)	Other Digestive Diseases	47	17	8	5	7	2	2	1	1
33	Acute and Chronic Nephritis	76	29	18	8	6	3	1	3	2
34	Oth. Diseases of Genito-Urinary System	31	14	7	3	2	1	2	...	1
35	Puerperal Sepsis	7	6	...	1	...	...	...	...	...
36	Other Puerperal Causes	12	7	1	...	2	...	1	...	...
37	Dis. of Skin, and of Locomotor System	9	4	...	3	...	...	...	...	1
38	Congenital Debility, Premature Birth, Malformations, &c.	139	67	17	6	4	6	9	6	2
39	Old Age	60	15	16	8	2	1	2	2	1
40	Suicide	21	10	4	2	1	1	...	...	...
42	Other Violence	95	47	15	3	2	1	3	5	3
43	Causes Ill-defined or Unknown ...	46	34	2	1	1	1	3	...	1
	All Causes	2413	1071	404	171	170	84	111	58	4
	AGE AT DEATH.									
	Under 1	273	147	30	12	8	15	19	8	...
	1- 4	105	44	15	9	4	4	8	6	...
	5- 9	47	30	5	3	1	1	3	...	...
	10-14	41	22	4	4	2	2	1	...	...
	15-24	120	54	17	9	8	5	3	4	...
	25-34	121	51	21	3	12	4	9	...	...
	35-44	127	54	17	13	8	6	10	2	...
	45-54	244	114	33	16	9	9	9	5	...
	55-64	389	160	72	37	32	10	14	6	1
	65-74	535	220	103	35	49	22	24	17	...
	75-84	336	144	73	22	32	6	9	8	...
	85 and over	75	31	14	8	5	...	2	2	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2413	1071	404	171	170	84	111	58	4

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—June 1933—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	1	...	1	...	...
6	Whooping-cough ... ..	...	1	...	1	...	...	...	...
7	Diphtheria ... ..	...	...	...	1	...	1	...	1
8	Influenza ... ..	...	...	3	...	1	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	1	...
14 (2)	Other Epidemic Diseases*	...	...	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	3	3	3	4	3	2	...	3
11	Other Tuberculous Diseases ... ..	...	1	...	1	...	...	...	1
14 (3)	Other Infectious and Parasitic Diseases	...	...	...	...	1	...	...	...
15	Cancer, Malignant Disease	1	7	8	2	5	4	6	8
18	Diabetes Mellitus ... ..	...	...	...	...	...	...	...	1
20	Oth. Gen. Diseases, Chronic Poisonings	2	2	1	2	1	1	...	...
22	Cerebral Hæmorrhage, &c.	5	3	6	2	3	3	3	1
23	Oth. Dis. of Nerv. Syst. and Sense Org.	2	...	2	2	3	3	3	3
24	Heart Disease	8	5	2	6	6	6	9	5
25	Other Circulatory Diseases ... ..	...	2	1	1	...	2	...	...
26	Bronchitis	2	1	3	1	3	1	...	1
27	Pneumonia (all forms)	1	1	2	2	...	5	...	1
28	Other Respiratory Diseases ... ..	...	...	2	...	...	1	...	2
32 (1)	Gastric and Duodenal Ulcer ... ..	...	1	1	...	...	...	...	1
29	Diarrhœa, &c. (all Ages) ... ..	...	1	1	...	...	...	...	...
30	Appendicitis ... ..	...	...	1	1	1	1	...	...
31 (1)	Cirrhosis of Liver	1	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	1	...	...	...	...	...	1
32 (2)	Other Digestive Diseases	1	...	1	...	...	...	...	2
33	Acute and Chronic Nephritis	2	1	1	...	...	2	...	...
34	Oth. Diseases of Genito-Urinary System	...	...	1	...	...	...	...	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	...	...	1	...
37	Dis. of Skin, and of Locomotor System	1	...	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	4	4	4	1	2	3	1	3
39	Old Age	1	...	4	1	2	3	1	1
40	Suicide ... ..	...	...	...	...	...	2	...	1
42	Other Violence	1	2	...	6	1	3	1	2
43	Causes Ill-defined or Unknown ...	1	...	...	...	...	2	...	...
	All Causes ...	36	36	47	36	32	46	26	38
	AGE AT DEATH.								
	Under 1	5	6	5	2	3	4	1	5
	1-4	1	1	2	5	...	3	2	...
	5-9	1	...	1	1	...	...	...	...
	10-14 ... ..	...	1	...	3	...	1	...	...
	15-24	3	1	1	5	3	2	...	2
	25-34	1	2	2	5	4	3	1	2
	35-44	2	2	2	1	1	1	4	...
	45-54	5	6	5	2	4	8	5	6
	55-64	6	5	6	6	3	9	5	8
	65-74	10	9	12	3	4	6	4	9
	75-84	1	3	7	3	7	7	2	6
	85 and over	1	...	4	...	3	2	2	...
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages ...	36	36	47	36	32	46	26	38

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of JUNE 1933.

OBSERVERS.	AIR PRESSURE		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS													
	at 9 A.M. and 9 P.M.		Mean of		Mean of A and B (Mean Temperature).		Difference from Average.		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.		Total Fall.		Difference from Average.		Number of Observations at 9 A.M. and 9 P.M.									
	feet.	inch.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
	inch.	inch.	per cent.	inch.	°	inch.	°	inch.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.704	29.854	67.6	52.2	59.9	+4.1	81	7th	47	17th	60.9	5.4	.376	69	10	2.10	-0.42	6	4	24	0	6	4	5	4	4	
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.387	29.858	65.8	51.5	58.7	+4.7	82	7th	46	12, 17, 18	57.6	4.1	.366	75	11	1.88	-0.12	3	14	9	7	3	3	9	6	6	
DUNDEE, College Gardens.	147	29.632	29.860	66.1	49.6	57.9	+2.2	79	5th	42	12th	60.1	4.7	.378	73	13	1.77	-0.03	4	6	18	6	2	6	16	2	0	
ABERDEEN,* The Meteorological Office.	90	29.752	29.851	62.8	48.6	55.7	+2.2	74	5th	39	12th	57.3	4.1	.356	75	11	0.86	-0.85	6	6	5	8	9	1	2	15	8	
PAISLEY, JOHN WOODROW, The Coats Observatory.	107	29.731	29.847	69.7	51.9	60.8	+3.5	83	7th	47	13, 17, 21	60.0	4.5	.383	73	10	2.26	-0.22	2	12	7	4	6	6	9	4	10	
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.616	29.868	67.0	52.4	59.7	+4.2	78	7, 25	47	17th	59.3	4.8	.360	71	12	3.09	-0.21	12	11	6	1	7	4	15	2	2	
PERTH,† J. RITCHIE, The Museum.	22	29.832	29.856	70.2	47.8	59.0	+3.3	81	4th	37	12th	59.5	4.0	.383	77	13	1.10	-0.87	2	9	6	13	0	20	0	10	0	
Means	168	29.672	29.856	67.0	50.6	58.8	+3.5	..	..	..	..	59.2	4.5	.372	73	11	1.87	-0.39	5	9	11	6	5	6	8	6	4

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
 West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.

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Library.
MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

JULY 1933.

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REPORT

During the month of July 1933 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births of 3,854 living children, of whom 1,951 were males and 1,903 were females. Compared with the number in the previous month, births of male children are 170 fewer, of female children 47 fewer, and of children of both sexes 217 fewer. The monthly birth-rate in these towns taken collectively was 18·1 per thousand. This rate is 1·7 less than that for the previous month, and is 1·9 below the average.

In the individual towns the monthly birth-rate ranged from 24·5 in Coatbridge, 22·3 in Kilmarnock, and 21·8 in Motherwell and Wishaw, to 13·4 in Perth, 14·0 in Dunfermline, and 15·1 in Edinburgh. In Greenock the rate was 21·1, in Glasgow 19·6, in Hamilton 18·9, in Paisley 18·3, in Clydebank 18·1, in Ayr 17·1, in Kirkcaldy 17·0, in Aberdeen 16·8, in Falkirk 15·5, and in Dundee 15·4.

Of the 3,854 living children whose births were registered during the month, 3,622 or 94·0 per cent. were legitimate, while 232 or 6·0 per cent. were illegitimate. The legitimate children numbered 190 fewer than in the previous month, and the illegitimate children 27 fewer. The illegitimate rate for the month is 0·4 below that for the previous month. In the individual towns it ranged from 10·0 in Perth, 8·2 in Falkirk, and 7·7 in Coatbridge, to 2·3 in Dunfermline, 3·2 in Hamilton, and 3·3 in Motherwell and Wishaw.

Marriages registered during the month numbered 2,866 and are 708 more than in the previous month. The marriage rate, 13·5 per thousand, is 3·0 above that for the previous month, and 0·9 above the average. In the individual towns it

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

EDINBURGH

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ranged from 18·3 in Kirkcaldy, 16·7 in Perth, and 16·3 in Dundee, to 8·1 in Greenock, 8·6 in Ayr, and 10·1 in Falkirk.

Deaths registered in these towns during the month numbered 2,448 and are 181 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,290, of whom 1,247 were males and 1,043 were females. The corrected number is 123 fewer than in the previous month, males being 18 more, but females 141 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 10·8 per thousand, being 0·9 below that for the previous month, and 0·4 below the average. In the towns taken individually the death-rate ranged from 14·9 in Kirkcaldy, 13·2 in Falkirk, 12·7 in Ayr, and 12·7 in Perth, to 7·9 in Hamilton, 8·5 in Kilmarnock, and 8·9 in Clydebank. In Coatbridge it was 12·4, in Motherwell and Wishaw 11·4, in Edinburgh 11·3, in Aberdeen 11·2, in Glasgow 10·6, in Greenock 10·0, in Dunfermline 9·8, in Dundee 9·7, and in Paisley 9·3.

Deaths of children of less than one year old numbered 242, and equalled an infantile mortality rate of 61 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 31 fewer than in the previous month, while the rate is 11 less than in that month, and 4 below the average. In the individual towns this rate ranged from 121 in Kirkcaldy, 111 in Motherwell and Wishaw, and 90 in Coatbridge, to 21 in Dunfermline, 26 in Clydebank, and 29 in Kilmarnock. In Perth it was 87, in Glasgow 64, in Dundee 64, in Edinburgh 57, in Hamilton 54, in Ayr 53, in Falkirk 53, in Greenock 50, in Aberdeen 49, and in Paisley 37.

Deaths from the principal epidemic diseases numbered 77, and equalled a death-rate of 0·4 per thousand. These deaths are 28 fewer than in the previous month, and the rate is 0·1 less. They include 1 from typhoid fever, 1 from measles, 13 from scarlet fever, 19 from whooping-cough, 13 from diphtheria, 7 from influenza, 11 from cerebro-spinal fever, and 12 from other epidemic diseases, 6 of which were ascribed to lethargic encephalitis, 4 to erysipelas, and 2 to acute poliomyelitis. Compared with the number in the previous month, deaths from scarlet fever are 6 more, from cerebro-spinal fever 4 more, from diphtheria 2 more, and from measles 1 more, but those from typhoid fever are 3 fewer, from other epidemic diseases 3 fewer, from influenza 7 fewer, and from whooping-cough 28 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 216, and equalled a death-rate of 1·0 per thousand. Compared with the number in the previous month these deaths are 49 fewer, while the rate is 0·3 less, and is 0·3 below the average.

Deaths from all forms of tuberculosis numbered 198, of which 149 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 7 fewer, and those from respiratory tuberculosis 1 fewer. Compared with the average the former are 4 fewer but the latter 6 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JULY 1933.

Mean barometric pressure, 29·919 in. ; greater than the average of 1881-1915 by 0·019 in.

Mean temperature, 62°·2 F. ; greater by 4°·2 F.

Mean daily range of temperature, 14°·4 F., which was equal to normal.

Rain, depth in inches, 3·46; greater by 0·44 in.

Wind, direction of:—a 2 days' excess of south-westerly winds.

Throughout the first week of the month anticyclonic conditions predominated, and dry, sunny and very warm weather was experienced almost everywhere. From 7th to 15th secondaries to a low pressure area lying between Iceland and Northern Scotland passed over our Isles, and weather was generally of a thundery and showery type, with occasional heavy rainfalls. This spell of broken weather was in turn followed by a week of warm and more settled conditions which prevailed until 23rd, when, with a series of moisture-laden depressions from the south-west pursuing a north-easterly track directly across our land, wet weather became more or less general. The mean pressure was slightly in excess of the average, and at Edinburgh the extremes were 30·57 in. on 3rd and 29·31 in. on 13th, the former being the highest in July since 1911.

The very high mean temperature was the most outstanding feature of the month's weather, that of the first week being probably the warmest on record in Scotland, whilst, taking the month as a whole, it was the warmest July for over 30 years. During the opening period some very high day temperatures were recorded, the most noteworthy being 88° F. at Ruthwell on 5th, 87° F. at Perth and Kirkcaldy on 4th, whilst temperatures of 86° F. were freely recorded, particularly in south-eastern districts on each day from 2nd to 5th. The absence of any really low temperatures was specially noticeable, and even on the exposed highland areas, as at Dalwhinnie and Braemar, the thermometer never fell below the forty degree level. For the first month for some considerable time there was a complete absence of ground frost.

Over the southern half of Scotland and particularly in the County of Midlothian rainfall aggregates exceeded the normal, but in northern districts there was a slight deficiency. The first week was generally rainless, but thereafter until the close of the month showery weather predominated. The wettest periods were those from 10th to 13th and from 27th to 30th, when at many places daily falls in excess of one inch were measured. At Edinburgh, where the total rainfall was 4·78 in., representing 170 per cent. of the normal, it was the wettest July since 1916.

Thunderstorms were of very frequent occurrence and were reported from various places on no fewer than seventeen days. The most widespread and severe were those of 7th and 27th, which were accompanied by vivid lightning and torrential rainfall. The other storms were more sporadic in nature but were nevertheless of considerable severity over the districts where they broke.

Fog occurred on eleven days, being dense around the Shetlands and in north-eastern districts during the anticyclonic spell at the beginning of the month.

Except in north-western districts sunshine aggregates were just slightly above the average, the small excess being accounted for by the very sunny period from 1st to 5th, when the sun shone brilliantly for fully fifteen hours per day at many places.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 56.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JULY 1933.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Enumerated at Census 1931.	Estimated to middle of 1933.	Males.	Females.	Total.	Legitimate.	Illegitimate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,088,524	1,111,600	953	893	1846	1728	118	1265	622	460	1082	133	54	1003
EDINBURGH, . .	439,010	451,900	297	282	579	543	36	546	250	243	493	79	19	433
DUNDEE, . . .	175,681	177,500	116	116	232	218	14	245	77	81	158	21	9	146
ABERDEEN, . .	167,258	170,900	115	129	244	228	16	170	86	83	169	22	16	163
PAISLEY, . . .	86,445	88,300	64	73	137	131	6	108	38	33	71	5	4	70
GREENOCK, . .	73,949	79,700	73	70	143	136	7	55	31	33	64	3	7	68
MOTHERWELL AND WISHAW, .	64,710	65,900	63	59	122	118	4	63	26	26	52	0	12	64
CLYDEBANK, . .	46,952	48,700	37	38	75	72	3	47	10	18	28	0	9	37
KIRKCALDY, . .	43,874	44,400	26	33	64	61	3	69	32	21	53	6	9	56
COATBRIDGE, . .	43,056	43,700	41	50	91	84	7	51	17	22	39	0	7	46
KILMARNOCK, . .	38,100	38,600	42	31	73	70	3	49	22	12	34	10	4	28
HAMILTON, . . .	37,862	38,500	38	24	62	60	2	48	9	7	16	1	11	26
AYR,	36,783	37,200	24	30	54	50	4	27	27	25	52	18	6	40
FALKIRK, . . .	36,566	37,300	24	25	49	45	4	32	35	18	53	11	0	42
DUNFERMLINE, .	35,058	36,100	23	20	43	42	1	41	25	15	40	11	1	30
PERTH,	34,807	35,300	15	25	40	36	4	50	21	23	44	10	4	38
TOTAL (SIXTEEN TOWNS)	2,453,635	2,505,600	1951	1903	3854	3622	232	2866	1328	1120	2448	330	172	2290

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JULY 1933.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		† Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW, . . .	19·6	6·4	13·4	11·5	10·6	0·3	1·1	0·8	1·2	119	64
EDINBURGH, . .	15·1	6·2	14·2	12·8	11·3	0·5	1·0	0·8	0·9	34	57
DUNDEE, . . .	15·4	6·0	16·3	10·5	9·7	0·3	0·7	0·5	0·7	17	64
ABERDEEN, . .	16·8	6·6	11·7	11·6	11·2	0·3	0·6	0·5	0·9	13	49
PAISLEY, . . .	18·3	4·4	14·4	9·5	9·3	0·3	0·9	0·5	0·5	5	37
GREENOCK, . .	21·1	4·9	8·1	9·5	10·0	0·7	0·9	0·7	0·4	7	50
MOTHERWELL AND WISHAW, .	21·3	3·3	11·3	9·3	11·4	0·4	0·5	0·4	0·9	13	111
CLYDEBANK, . .	18·1	4·0	11·4	6·8	8·9	0·0	0·7	0·7	0·7	2	26
KIRKCALDY, . .	17·0	4·7	18·3	14·1	14·9	0·3	0·5	0·3	1·1	7	121
COATBRIDGE, . .	24·5	7·7	13·7	10·5	12·4	0·5	0·8	0·5	0·5	8	90
KILMARNOCK, . .	22·3	4·1	15·0	10·4	8·5	0·0	0·6	0·3	1·2	2	29
HAMILTON, . . .	18·9	3·2	14·7	4·9	7·9	0·3	0·6	0·3	0·9	4	54
AYR,	17·1	7·4	8·6	16·5	12·7	0·0	1·6	1·0	1·3	3	53
FALKIRK, . . .	15·5	8·2	10·1	16·7	13·2	1·3	1·3	0·6	2·2	3	53
DUNFERMLINE, .	14·0	2·3	13·4	13·1	9·8	0·7	0·7	0·3	1·3	1	21
PERTH,	13·4	10·0	16·7	14·7	12·7	0·3	0·0	0·0	0·3	4	87
TOTAL (SIXTEEN TOWNS)	18·1	6·0	13·5	11·5	10·8	0·4	0·9	0·7	1·0	242	61

* Based on the average number of births registered monthly during the past 12 months.

† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JULY 1933, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
JULY 1933, .	18·1	6·0	13·5	10·8	1	1	13	19	13	7	11	12	61	62°·2
JULY 1932, .	18·3	6·5	11·4	10·6	1	9	8	15	8	5	10	7	63	58°·8
JULY 1931, .	20·3	6·1	12·3	10·9	0	34	3	34	14	6	17	14	69	58°·0
JULY 1930, .	19·9	6·6	12·3	11·5	0	25	5	30	14	11	12	15	55	58°·3
JULY 1929, .	20·7	6·4	14·0	11·7	0	8	3	32	15	3	18	18	68	58°·3
JULY 1928, .	20·7	6·8	13·1	11·4	1	15	4	48	16	8	7	13	71	57°·3
JULY 1927, .	20·1	6·3	11·9	11·5	0	46	5	44	15	15	7	12	71	59°·4
JULY 1926, .	22·2	6·4	11·6	11·2	1	14	15	26	10	15	5	16	65	60°·4
JULY 1925, .	23·4	6·6	12·2	11·4	3	12	19	69	10	11	6	9	78	60°·2
JULY 1924, .	22·8	6·5	12·4	11·7	1	25	15	52	21	17	5	26	65	57°·4
JULY 1923, .	24·2	7·3	13·7	11·3	2	30	12	35	15	7	6	15	65	59°·8

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—July 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
1	Typhoid Fever (including Paratyphoid) -	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
4	Measles -	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever -	13	6	7	-	5	6	1	-	-	-	-	-	1	-	-	-	
6	Whooping-cough -	19	7	12	9	10	-	-	-	-	-	-	-	-	-	-	-	
7	Diphtheria -	13	5	8	-	4	7	1	-	-	-	1	-	-	-	-	-	
8	Influenza -	7	2	5	-	-	-	-	1	-	-	1	1	3	1	-	-	
14 (1)	Cerebro-spinal Fever -	11	8	3	3	2	1	-	2	3	-	-	-	-	-	-	-	
14 (2)	Other Epidemic Diseases* -	12	7	5	-	1	2	-	1	1	2	2	2	1	-	-	-	
10	Tuberculosis of Respiratory System -	149	90	59	-	3	3	2	42	41	23	14	15	4	2	-	-	
11	Other Tuberculous Diseases -	49	31	18	3	7	7	4	9	5	6	2	4	1	1	-	-	
14 (3)	Other Infectious and Parasitic Diseases -	23	10	13	6	2	-	1	2	4	-	3	5	-	-	-	-	
15	Cancer, Malignant Disease -	308	153	155	-	-	-	-	1	7	22	44	86	102	40	6	-	
18	Diabetes Mellitus -	29	11	18	-	-	-	-	1	2	1	2	4	14	5	-	-	
20	Other General Dis., Chronic Poisonings -	48	12	36	1	1	-	3	4	5	7	9	6	6	6	-	-	
22	Cerebral Hæmorrhage, &c. -	276	123	153	1	-	1	1	-	4	6	16	62	93	84	8	-	
23	Oth. Dis. of Nervous System & Sense Org. -	44	15	29	10	2	-	2	5	6	4	7	4	3	1	-	-	
24	Heart Disease -	338	199	139	-	-	3	3	7	7	6	28	78	122	70	14	-	
25	Other Circulatory Diseases -	52	30	22	-	1	-	-	1	-	1	1	14	17	12	5	-	
26	Bronchitis -	60	40	20	2	2	-	-	1	1	1	7	10	23	12	1	-	
27	Pneumonia (all forms) -	127	86	41	26	25	3	3	1	5	15	11	14	17	7	-	-	
28	Other Respiratory Diseases -	29	12	17	-	-	-	-	3	1	3	4	5	3	7	3	-	
32 (1)	Gastric and Duodenal Ulcer -	26	15	11	-	-	-	-	-	3	4	9	5	3	2	-	-	
29	Diarrhœa, &c. (all ages) -	53	34	19	30	6	-	1	2	-	4	1	4	3	1	1	-	
30	Appendicitis -	19	12	7	-	-	3	3	2	2	1	1	4	3	-	-	-	
31 (1)	Cirrhosis of Liver -	5	5	-	-	-	-	-	-	-	-	-	3	2	-	-	-	
31 (2)	Other Diseases of Liver, &c. -	17	4	13	-	-	-	-	1	-	-	4	4	4	3	1	-	
32 (2)	Other Digestive Diseases -	33	13	20	2	2	1	-	-	-	2	7	7	9	3	-	-	
33	Acute and Chronic Nephritis -	69	34	35	1	-	1	1	1	2	2	22	17	15	7	-	-	
34	Other Dis. of Genito-Urinary System -	29	24	5	1	-	-	-	-	-	2	3	7	8	7	1	-	
35	Puerperal Sepsis -	8	-	8	-	-	-	-	1	7	-	-	-	-	-	-	-	
36	Other Puerperal Causes -	10	-	10	-	-	-	-	1	7	2	-	-	-	-	-	-	
37	Diseases of Skin and Locomotor System -	16	8	8	2	-	1	-	1	2	-	-	5	4	1	-	-	
38	Congen. Debil., Prem. Birth, Malform., &c. -	111	87	54	135	2	1	-	-	-	-	-	-	-	-	-	-	
39	Old Age -	67	27	40	-	-	-	-	-	-	-	-	-	11	36	20	-	
40	Suicide -	36	27	9	-	-	-	-	1	9	8	4	11	3	-	-	-	
42	Other Violence -	117	90	27	5	13	14	5	23	15	7	5	10	8	11	1	-	
43	Causes ill-defined or Unknown -	35	19	16	2	-	1	-	2	-	3	4	12	6	5	-	-	
ALL CAUSES		2200	1247	1043	212	89	55	31	116	139	133	212	399	189	324	61	-	

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—July 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	...	...	...	...	...	...	...	...
4	Measles	1	...	...	...	1	...	...	...	...
5	Scarlet Fever	13	7	2	...	...	...	1	1	...
6	Whooping-cough	19	7	3	3	1	1	3	...	...
7	Diphtheria	13	5	4	...	1	...	1	...	...
8	Influenza	7	2	2	...	1	...	...	...	...
14 (1)	Cerebro-spinal Fever	11	4	4	...	...	1	...	1	...
14 (2)	Other Epidemic Diseases*	12	4	3	2	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	149	79	31	7	7	4	5	2	3
11	Other Tuberculous Diseases	49	24	6	4	1	3	1	1	...
14 (3)	Other Infectious and Parasitic Diseases	23	8	3	4	4	...	...	1	...
15	Cancer, Malignant Disease	308	127	68	25	22	11	4	7	8
18	Diabetes Mellitus	29	7	6	4	1	2	1	2	...
20	Oth. Gen. Diseases, Chronic Poisonings	48	15	9	2	5	4	2	2	1
22	Cerebral Hæmorrhage, &c.	276	112	45	16	27	8	8	7	8
23	Oth. Dis. of Nerv. Syst. and Sense Org.	44	16	11	3	3	1	2	1	...
24	Heart Disease	338	150	64	19	30	9	11	8	6
25	Other Circulatory Diseases	52	18	12	4	6	1	3	...	...
26	Bronchitis	60	32	9	2	4	2	1	...	1
27	Pneumonia (all forms)	127	73	13	7	9	1	2	5	2
28	Other Respiratory Diseases	29	10	11	2	...	1	...	...	...
32 (1)	Gastric and Duodenal Ulcer	26	15	1	2	2	2	2	...	...
29	Diarrhœa, &c. (all Ages)	53	26	11	3	...	...	1	1	1
30	Appendicitis	19	8	3	...	4	1	...	1	...
31 (1)	Cirrhosis of Liver	5	2	2	1	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	17	5	6	...	2	...	1	...	...
32 (2)	Other Digestive Diseases	33	15	10	1	3	1	1	...	...
33	Acute and Chronic Nephritis	69	28	11	6	3	3	4	1	1
34	Oth. Diseases of Genito-Urinary System	29	13	8	1	1	...	1	...	...
35	Puerperal Sepsis	8	3	1	...	1	...	1	...	...
36	Other Puerperal Causes	10	6	3	...	...	...	...	1	...
37	Dis. of Skin, and of Locomotor System	16	6	4	...	...	...	1	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	141	67	19	9	12	5	4	7	2
39	Old Age	67	23	13	5	3	3	4	3	...
40	Suicide	36	17	10	2	1	...	...	1	1
42	Other Violence	117	47	24	11	7	4	2	8	2
43	Causes Ill-defined or Unknown	35	22	1	1	...	2	1	2	1
All Causes		2290	1003	433	146	163	70	68	64	37
AGE AT DEATH.										
Under 1		242	119	34	17	13	5	7	13	2
1- 4		89	41	10	6	10	6	6	2	1
5- 9		55	31	6	1	2	3	4	1	...
10-14		31	15	7	2	1	1	2	...	1
15-24		116	56	20	1	9	1	2	8	1
25-34		139	60	31	11	6	3	3	5	...
35-44		133	59	26	7	8	6	2	4	3
45-54		212	96	33	12	13	6	10	3	5
55-64		399	169	83	28	30	14	7	10	9
65-74		489	208	89	40	45	12	10	14	11
75-84		324	134	77	16	17	12	12	2	4
85 and over		61	15	17	5	9	1	3	2	...
Not stated ... ..		...	...	...	...	...	...	...	...	...
All Ages		2290	1003	433	146	163	70	68	64	37

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—July 1933—*continued*.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	1	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	1	...	1	...	...	...	...
6	Whooping-cough ... ..	...	1	...	...	...	...	...	...
7	Diphtheria ... ..	...	...	...	...	...	1	1	...
8	Influenza... ..	...	...	...	...	...	1	1	...
14 (1)	Cerebro-spinal Fever	1	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	...	...	...	...	...	1	...	1
10	Tuberculosis of Respiratory System ...	1	2	1	1	3	2	1	...
11	Other Tuberculous Diseases	1	1	1	1	2	2	1	...
14 (3)	Other Infectious and Parasitic Diseases	...	1	...	1	...	...	1	...
15	Cancer, Malignant Disease	5	5	3	3	1	3	8	8
18	Diabetes Mellitus	1	2	...	...	2	...	...	1
20	Oth. Gen. Diseases, Chronic Poisonings	1	2	...	1	2	1	1	...
22	Cerebral Hæmorrhage, &c.	7	10	8	1	4	6	2	7
23	Oth. Dis. of Nerv. Syst. and Sense Org.	1	...	1	...	2	3	...	...
24	Heart Disease	9	5	2	6	7	4	3	5
25	Other Circulatory Diseases	3	2	...	...	2	...	...	1
26	Bronchitis	1	...	2	1	1	2	2	...
27	Pneumonia (all forms)	2	2	2	2	...	5	1	1
28	Other Respiratory Diseases	1	...	...	...	3	...	1	...
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	...	1	1	...	...	...
29	Diarrhœa, &c. (all Ages)	3	5	1	1	...	...	...	...
30	Appendicitis	1	...	...	...	...	...	...	1
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	1	...	...	...	...	2	...
32 (2)	Other Digestive Diseases ... ..	...	...	1	...	...	...	1	...
33	Acute and Chronic Nephritis	1	2	...	1	5	1	1	1
34	Oth. Diseases of Genito-Urinary System	1	...	...	1	1	1	...	1
35	Puerperal Sepsis	1	...	...	...	1	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	2	...	2	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	2	1	2	1	2	3	1	4
39	Old Age	6	1	1	...	1	1	1	2
40	Suicide ... ..	...	...	1	...	...	2	...	1
42	Other Violence	4	1	1	1	...	...	1	4
43	Causes Ill-defined or Unknown	3	1	1	...	...	...	...	...
	All Causes	56	46	28	26	40	42	30	38
	AGE AT DEATH.								
	Under 1	7	8	2	4	3	3	1	4
	1- 4	1	3	2	...	1	...	...	...
	5- 9 ... ..	...	...	1	2	...	1	2	1
	10-14 ... ..	...	2	...	...	...	...	...	...
	15-24	5	2	1	1	3	3	2	1
	25-34	2	2	1	3	3	4	1	4
	35-44	2	2	1	1	3	5	3	1
	45-54	6	8	2	3	6	6	3	...
	55-64	7	9	4	6	5	6	2	10
	65-74	9	4	8	3	10	7	11	8
	75-84	13	6	5	3	4	7	4	8
	85 and over	4	...	1	...	2	...	1	1
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	56	46	28	26	40	42	30	38

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of JULY 1933.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS																
	feet.	inch.	inch.	°	Absolute Maximum and Minimum.			°	inch.	per cent.	Number of Days.	Total Fall.		Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																
					Maximum (A.)	Minimum (B.)	Mean of					Mean of A and B (Mean Tem- perature).	Difference from Average.		Maximum.	Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.773	29.927	68.3	56.5	62.4	+4.4	83	5th	50	30th	62.9	4.5	.436	75	17	3.62	+0.53	2	0	3	0	6	16	26	2	2				
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.455	29.925	68.9	55.0	61.9	+5.0	83	4th	50	17, 22, 27, 30	60.7	3.6	.428	79	19	4.78	+1.96	3	0	2	3	3	8	13	23	7				
DUNDEE, College Gardens.	147	29.734	29.910	70.6	54.8	62.7	+3.9	86	2nd	50	17, 30	64.4	5.3	.428	71	17	3.29	+0.55	4	0	6	6	6	12	26	2	0				
ABERDEEN,* The Meteorological Office.	90	29.801	29.898	68.1	53.9	61.0	+4.4	82	3rd	48	30th	62.1	4.3	.433	77	19	3.08	+0.27	5	1	0	11	15	3	3	6	18				
PAISLEY, JOHN WOODROW, The Coats Observatory.	107	29.812	29.927	70.5	56.0	63.3	+4.0	86	5th	50	22, 30	62.1	3.8	.440	78	17	2.98	+0.12	0	3	2	5	10	14	19	5	4				
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.684	29.934	67.9	55.7	61.8	+4.2	82	5th	50	22, 30	61.7	4.0	.433	77	20	3.77	-0.15	3	3	3	4	11	7	23	2	1				
PERTH,† J. RITCHIE, The Museum.	22	29.888	29.912	71.6	53.4	62.5	+4.1	87	4th	45	22, 30	61.7	3.8	.440	78	17	2.72	-0.17	0	0	3	3	6	41	8	1	0				
Means	163	29.736	29.919	69.4	55.0	62.2	+4.3	84	..	..	..	62.2	4.2	.434	76	18	3.46	+0.44	2	1	3	5	8	14	18	6	5	

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 23'; Perth, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

AUGUST 1933.

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REPORT

During the month of August 1933 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births of 3,818 living children, of whom 1,968 were males and 1,850 were females. Compared with the number in the previous month, births of male children are 17 more, of female children 53 fewer, and of children of both sexes 36 fewer. The monthly birth-rate in these towns taken collectively was 17·9 per thousand. This rate is 0·2 less than that for the previous month, and is 1·4 below the average.

In the individual towns the monthly birth-rate ranged from 24·8 in Coatbridge, 23·5 in Greenock, and 21·4 in Hamilton, to 11·7 in Perth, 15·0 in Edinburgh, and 15·7 in Paisley. In Motherwell and Wishaw the rate was 19·5, in Glasgow 18·7, in Ayr 18·7, in Aberdeen 18·3, in Dundee 18·2, in Kilmarnock 18·0, in Clydebank 17·6, in Falkirk 17·0, in Dunfermline 16·7, and in Kirkcaldy 16·2.

Of the 3,818 living children whose births were registered during the month, 3,598 or 94·2 per cent. were legitimate, while 220 or 5·8 per cent. were illegitimate. The legitimate children numbered 24 fewer than in the previous month, and the illegitimate children 12 fewer. The illegitimate rate for the month is 0·2 below that for the previous month. In the individual towns it ranged from 14·3 in Perth, 13·6 in Ayr, and 9·3 in Falkirk, to 1·6 in Kirkcaldy, 1·8 in Motherwell and Wishaw, and 2·5 in Paisley.

Marriages registered during the month numbered 1,580 and are 1,286 fewer than in the previous month. The marriage rate, 7·4 per thousand, is 6·1 below that for the previous month, but 0·4 above the average. In the individual towns

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

EDINBURGH

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it ranged from 12·0 in Perth, 9·5 in Hamilton, and 9·2 in Edinburgh, to 3·2 in Coatbridge, 3·4 in Clydebank, and 4·0 in Greenock.

Deaths registered in these towns during the month numbered 2,292 and are 156 fewer than in the previous month. Deducting deaths of persons with usual residence in Scotland, but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,118, of whom 1,076 were males and 1,042 were females. The corrected number is 172 fewer than in the previous month, males being 171 fewer and females 1 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 10·0 per thousand, being 0·8 below that for the previous month, and 0·8 below the average. In the towns taken individually the death-rate ranged from 11·8 in Greenock, 11·5 in Paisley, and 10·8 in Ayr, to 6·1 in Kirkcaldy, 6·4 in Motherwell and Wishaw, 7·5 in Clydebank, and 7·5 in Coatbridge. In Kilmarnock it was 10·7, in Dundee 10·5, in Aberdeen 10·3, in Perth 10·3, in Glasgow 10·1, in Hamilton 10·1, in Dunfermline 10·1, in Edinburgh 10·0, and in Falkirk 7·9.

Deaths of children of less than one year old numbered 260, and equalled an infantile mortality rate of 66 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 18 more than in the previous month, while the rate is 5 more than in that month, but 2 above the average. In the individual towns this rate ranged from 86 in Motherwell and Wishaw, 83 in Dundee, and 77 in Greenock, to 21 in Dunfermline, 34 in Kirkcaldy, and 39 in Clydebank. In Paisley it was 75, in Glasgow 72, in Falkirk 71, in Ayr 70, in Perth 67, in Kilmarnock 59, in Edinburgh 54, in Hamilton 54, in Aberdeen 46, and in Coatbridge 44.

Deaths from the principal epidemic diseases numbered 50, and equalled a death-rate of 0·2 per thousand. These deaths are 27 fewer than in the previous month, and the rate is 0·2 less. They include 1 from typhoid fever, 1 from measles, 4 from scarlet fever, 17 from whooping-cough, 10 from diphtheria, 4 from influenza, 6 from cerebro-spinal fever, and 7 from other epidemic diseases, 3 of which were ascribed to erysipelas, 3 to lethargic encephalitis, and 1 to acute poliomyelitis. Compared with the number in the previous month, deaths from typhoid fever number the same and from measles the same, but those from whooping-cough are 2 fewer, from diphtheria 3 fewer, from influenza 3 fewer, from cerebro-spinal fever 5 fewer, from other epidemic diseases 5 fewer, and from scarlet fever 9 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 201, and equalled a death-rate of 0·9 per thousand. Compared with the number in the previous month these deaths are 15 fewer, while the rate is 0·1 less, and is 0·3 below the average.

Deaths from all forms of tuberculosis numbered 159, of which 115 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 39 fewer, and those from respiratory tuberculosis 34 fewer. Compared with the average the former are 17 fewer and the latter 9 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

AUGUST 1933.

Mean barometric pressure, 29·911 in. ; greater than the average of 1881-1915 by 0·052 in.

Mean temperature, 60°·6 F. ; greater by 3°·3 F.

Mean daily range of temperature, 13°·8 F. ; less by 0°·1 F.

Rain, depth in inches, 1·70 ; less by 2·01 in.

Wind, direction of:—a 7 days' excess of winds from between south and west.

Anticyclonic conditions were experienced generally between the 1st and 5th, 10th and 12th and 23rd to 27th, while at other times disturbances, mostly of a minor form and associated with low pressure systems in the neighbourhood of Iceland, moved eastwards across the country. Generally, barometric pressure was high to the east and south, and low to the north-west of the British Isles, and this resulted in a prevalence of mild winds with much drier conditions in the east than in the west. The extremes of pressure, at Edinburgh, were 30·37 in. on 12th and 29·35 in. on 17th.

For the seventh month in succession the mean temperature was above normal, it being the mildest August since 1911. The warmest spell lay between the 3rd and 5th, when locally August temperature records were broken ; on the 3rd Aberdeen had 83° F., a figure which has not been recorded in early August since at least 1871. 83° F. was also noted on the 5th at Ruthwell, Kilmarnock and Paisley, while on the same date Kelso had 84° F. In the extreme north-west and north temperatures, however, failed to reach the 70° F. level, the highest at Stornoway being 68° F. and at Lerwick 63° F. The mornings of 7th, 12th and 24th were perhaps the coldest, ground frost occurring locally on each of these dates ; at Dalwhinnie on the 7th and 12th the grass minimum was 21° F., while on the 12th the screen minimum was 32° F.

Locally in eastern districts it was the driest August on record, while in the west and north-west it was locally the wettest ; aggregates of less than 1 inch for the month were frequent in the east, while at Ardgour, Achfary and Portree the aggregates in each case exceeded 10 inches. In the wet areas there were few dry days ; at Baltasound there was only one and at Duror two. The wettest day was the 27th, when over 2 inches were recorded in places ; on this day 2·75 in. fell at Stornoway, and gave rise to serious flooding and structural damage.

Fog occurred on 5 days, thunderstorms on 9, hail on 3, and gales on 5 ; the fog was dense locally in the Shetland area on 15th, and the most widespread thunderstorms were those of 5th and 6th.

Sunshine aggregates were everywhere above the normal, the 4th being very sunny, over 14 hours sunshine being registered at Arbroath, Perth, Carnoustie and Leuchars on that date. Aurora was observed at Baltasound on night of 20th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 64.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, AUGUST 1933.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Enumerated at Census 1931.	Estimated to middle of 1933.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,088,524	1,111,600	896	865	1761	1671	90	715	560	475	1035	140	56	951
EDINBURGH, . .	439,010	451,900	309	267	576	536	40	354	200	232	432	67	20	385
DUNDEE, . . .	175,681	177,500	126	149	275	250	25	82	80	78	158	9	10	159
ABERDEEN, . .	167,258	170,900	156	110	266	248	18	132	91	90	181	39	8	150
PAISLEY, . . .	86,445	88,300	56	62	118	115	3	39	40	47	87	8	7	86
GREENOCK, . .	73,949	79,700	73	86	159	154	5	27	42	37	79	6	7	80
MOTHERWELL AND WISHAW, .	64,710	65,900	55	54	109	107	2	34	17	10	27	0	9	36
CLYDEBANK, . .	46,952	48,700	47	26	73	70	3	14	7	15	22	1	10	31
KIRKCALDY, . .	43,874	44,400	37	24	61	60	1	23	10	14	24	2	1	23
COATBRIDGE, . .	43,056	43,700	56	36	92	86	6	12	15	9	24	0	4	28
KILMARNOCK, . .	38,100	38,600	25	34	59	56	3	14	20	17	37	7	5	35
HAMILTON, . . .	37,862	38,500	38	32	70	67	3	31	16	10	26	2	9	33
AYR,	36,783	37,200	23	36	59	51	8	25	30	16	46	17	5	34
FALKIRK, . . .	36,566	37,300	25	29	54	49	5	21	25	17	42	19	2	25
DUNFERMLINE, .	35,058	36,100	28	23	51	48	3	21	18	16	34	4	1	31
PERTH,	34,807	35,300	18	17	35	30	5	36	17	21	38	9	2	31
TOTAL (SIXTEEN TOWNS)	2,453,635	2,505,600	1968	1850	3818	3598	220	1580	1188	1104	2292	330	156	2118

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, AUGUST 1933.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		† Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW, . . .	18·7	5·1	7·6	11·0	10·1	0·3	0·8	0·6	1·0	134	72
EDINBURGH, . .	15·0	6·9	9·2	11·3	10·0	0·2	0·6	0·4	1·0	32	54
DUNDEE, . . .	18·2	9·1	5·4	10·5	10·5	0·4	0·9	0·6	1·1	22	83
ABERDEEN, . .	18·3	6·8	9·1	12·5	10·3	0·1	0·7	0·6	0·8	12	46
PAISLEY, . . .	15·7	2·5	5·2	11·6	11·5	0·0	0·5	0·5	0·9	10	75
GREENOCK, . . .	23·5	3·1	4·0	11·7	11·8	0·6	0·9	0·9	1·0	11	77
MOTHERWELL AND WISHAW, .	19·5	1·8	6·1	4·8	6·4	0·0	0·5	0·5	0·7	10	86
CLYDEBANK, . .	17·6	4·1	3·4	5·3	7·5	0·2	0·7	0·5	0·2	3	39
KIRKCALDY, . .	16·2	1·6	6·1	6·4	6·1	0·0	0·0	0·0	0·3	2	34
COATBRIDGE, . .	24·8	6·5	3·2	6·5	7·5	0·5	1·1	1·1	0·3	4	44
KILMARNOCK, . .	18·0	5·1	4·3	11·3	10·7	0·3	0·6	0·3	1·2	4	59
HAMILTON, . . .	21·4	4·3	9·5	7·9	10·1	0·0	0·9	0·3	1·2	4	54
AYR,	18·7	13·6	7·9	14·6	10·8	0·6	0·0	0·0	1·0	4	70
FALKIRK, . . .	17·0	9·3	6·6	13·2	7·9	0·0	0·6	0·3	1·6	4	71
DUNFERMLINE, .	16·7	5·9	6·9	11·1	10·1	0·0	1·0	0·7	1·3	1	21
PERTH,	11·7	14·3	12·0	12·7	10·3	0·3	0·3	0·3	0·3	3	67
TOTAL (SIXTEEN TOWNS)	17·9	5·8	7·4	10·8	10·0	0·2	0·7	0·5	0·9	260	66

* Based on the average number of births registered monthly during the past 12 months.
† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR AUGUST 1933, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
AUG. 1933, .	17·9	5·8	7·4	10·0	1	1	4	17	10	4	6	7	66	60°·6
AUG. 1932, .	18·6	6·2	7·5	11·0	2	8	7	20	17	7	8	12	79	59° 0
AUG. 1931, .	18·5	6·7	7·3	10·5	1	23	5	18	12	5	9	9	55	55° 7
AUG. 1930, .	19·7	6·0	7·0	10·4	1	9	4	13	8	4	7	19	66	58°·3
AUG. 1929, .	19·5	6·6	6·7	10·8	1	9	1	20	10	12	8	12	61	56°·7
AUG. 1928, .	20·2	6·7	6·7	11·4	1	4	2	42	7	12	9	17	77	57°·5
AUG. 1927, .	20·3	6·1	7·6	11·4	2	45	7	52	20	8	9	13	67	58°·5
AUG. 1926, .	20·7	6·2	7·1	10·8	2	5	7	16	13	7	7	20	61	59°·1
AUG. 1925, .	20·3	6·8	7·4	11·2	3	3	14	53	16	13	8	21	78	58°·4
AUG. 1924, .	21·6	7·0	6·9	10·8	0	20	18	48	21	10	5	11	77	56°·2
AUG. 1923, .	23·2	7·1	7·7	10·7	4	23	17	31	8	4	3	13	58	56° 5

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—August 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over	
1	Typhoid Fever (including Paratyphoid) -	1	-	1	-	-	-	-	-	-	-	1	-	-	-	-	
4	Measles -	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever -	4	2	2	-	2	-	-	1	-	-	1	-	-	-	-	
6	Whooping-cough -	17	8	9	11	5	-	-	-	-	-	-	-	1	-	-	
7	Diphtheria -	10	4	6	1	3	4	1	1	-	-	-	-	-	-	-	
8	Influenza -	4	1	3	-	1	-	-	1	-	-	-	1	1	-	-	
14 (1)	Cerebro-spinal Fever -	6	2	4	2	1	1	1	1	-	-	-	-	-	-	-	
14 (2)	Other Epidemic Diseases* -	7	2	5	-	-	-	1	2	-	1	-	2	1	-	-	
10	Tuberculosis of Respiratory System -	115	69	46	1	1	1	1	31	27	17	17	11	7	1	-	
11	Other Tuberculous Diseases -	44	24	20	7	9	2	5	6	6	4	3	2	-	-	-	
14 (3)	Other Infectious and Parasitic Diseases -	10	7	3	2	-	1	-	-	1	1	2	1	1	1	-	
15	Cancer, Malignant Disease -	312	142	170	-	-	-	-	2	3	19	51	89	101	42	5	
18	Diabetes Mellitus -	12	2	10	-	-	-	-	-	-	1	-	5	5	1	-	
20	Other General Dis., Chronic Poisonings -	58	20	38	-	1	3	4	9	4	12	2	11	8	3	1	
22	Cerebral Haemorrhage, &c. -	278	122	156	-	-	-	1	-	4	3	22	57	106	75	10	
23	Cth. Dis. of Nervous System & Sense Org. -	67	38	29	7	5	1	1	5	6	12	10	7	6	5	2	
24	Heart Disease -	330	163	167	-	-	1	3	6	15	21	30	67	104	72	11	
25	Other Circulatory Diseases -	29	16	13	-	-	-	-	-	1	-	3	7	10	8	-	
26	Bronchitis -	59	39	20	3	1	-	-	1	1	1	3	13	26	8	2	
27	Pneumonia (all forms) -	114	71	43	33	12	-	-	6	-	7	11	17	19	9	-	
28	Other Respiratory Diseases -	28	13	15	1	1	1	-	2	1	1	2	2	10	5	2	
32 (1)	Gastric and Duodenal Ulcer -	12	10	2	-	-	-	-	1	3	-	2	2	2	2	-	
29	Diarrhoea, &c. (all ages) -	60	30	30	43	8	2	-	-	3	-	-	2	-	1	1	
30	Appendicitis -	4	2	2	-	-	-	1	1	1	-	1	-	-	-	-	
31 (1)	Cirrhosis of Liver -	8	5	3	-	-	-	-	-	1	-	-	3	3	-	1	
31 (2)	Other Diseases of Liver, &c. -	15	3	12	-	-	-	-	-	2	2	1	4	3	2	1	
32 (2)	Other Digestive Diseases -	32	10	22	4	1	-	-	2	1	2	8	6	4	4	-	
33	Acute and Chronic Nephritis -	63	31	32	-	1	-	-	1	4	6	9	18	11	12	1	
34	Other Dis. of Genito-Urinary System -	30	21	9	-	-	-	-	-	1	-	1	8	7	10	3	
35	Puerperal Sepsis -	6	-	6	-	-	-	-	2	2	2	-	-	-	-	-	
36	Other Puerperal Causes -	8	-	8	-	-	-	-	-	5	3	-	-	-	-	-	
37	Diseases of Skin and Locomotor System -	20	11	9	2	1	1	-	3	1	1	5	3	2	1	-	
38	Congen. Debil., Prem. Birth, Malform., &c. -	135	74	61	135	-	-	-	-	-	-	-	-	-	-	-	
39	Old Age -	55	19	36	-	-	-	-	-	-	-	-	-	12	35	8	
40	Suicide -	21	17	4	-	-	-	-	-	1	3	7	5	4	1	-	
42	Other Violence -	108	74	34	5	10	9	8	15	7	13	7	11	9	8	6	
43	Causes Ill-defined or Unknown -	35	24	11	2	1	-	-	-	-	3	6	12	9	2	-	
ALL CAUSES		2118	1076	1042	260	64	27	27	100	103	139	203	365	469	307	54	

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—August 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	...	1	...	...	...	...	...	...
4	Measles	1	1	...	...	...	...	...	...	...
5	Scarlet Fever	4	3	...	...	...	...	...	...	...
6	Whooping-cough	17	7	2	3	...	...	2	...	1
7	Diphtheria	10	5	...	1	...	...	2	...	...
8	Influenza	4	2	...	2	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	6	4	1	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	7	4	2	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	115	57	16	9	8	4	6	3	2
11	Other Tuberculous Diseases	44	23	8	5	2	...	...	...	1
14 (3)	Other Infectious and Parasitic Diseases	10	5	2	2	1	...	...	...	...
15	Cancer, Malignant Disease	312	130	77	21	20	10	9	7	5
18	Diabetes Mellitus	12	6	1	...	...	1	2	...	...
20	Oth. Gen. Diseases, Chronic Poisonings	58	24	10	4	5	2	1	...	...
22	Cerebral Hæmorrhage, &c.	278	118	54	20	21	13	10	2	5
23	Oth. Dis. of Nerv. Syst. and Sense Org.	67	31	10	7	4	2	4	3	1
24	Heart Disease	330	135	60	25	32	22	11	2	8
25	Other Circulatory Diseases	29	12	5	2	3	3	...	...	...
26	Bronchitis	59	35	8	4	4	1	2	1	...
27	Pneumonia (all forms)	114	47	23	9	8	5	5	2	1
28	Other Respiratory Diseases	28	9	9	3	...	1	...	1	...
32 (1)	Gastric and Duodenal Ulcer	12	4	3	2	1	...	...	...	...
29	Diarrhoea, &c. (all Ages)	60	36	5	4	3	3	3	...	...
30	Appendicitis	4	1	...	...	...	...	2	...	1
31 (1)	Cirrhosis of Liver	8	4	1	...	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	15	3	4	...	2	1	...	...	...
32 (2)	Other Digestive Diseases	32	12	9	2	4	2	...	1	...
33	Acute and Chronic Nephritis	63	30	10	6	4	4	2	...	...
34	Oth. Diseases of Genito-Urinary System	30	11	9	3	1	...	...	1	1
35	Puerperal Sepsis	6	5	...	...	...	...	1	...	...
36	Other Puerperal Causes	8	2	1	1	3	...	...	...	...
37	Dis. of Skin, and of Locomotor System	20	8	3	1	1	2	2	1	1
38	Congenital Debility, Premature Birth, Malformations, &c.	135	66	19	12	6	4	8	7	3
39	Old Age	55	22	11	6	2	2	2	1	1
40	Suicide	21	11	3	1	3	...	1	...	...
42	Other Violence	108	51	18	4	11	2	3	3	...
43	Causes Ill-defined or Unknown ...	35	27	...	...	...	1	2	1	...
	All Causes ...	2118	951	385	159	150	86	80	36	31
	AGE AT DEATH.									
	Under 1	260	134	32	22	12	10	11	10	3
	1- 4	64	29	8	7	6	1	6	1	1
	5- 9	27	13	5	1	1	1	2	...	...
	10-14	27	13	3	2	1	...	1	1	...
	15-24	100	45	16	5	8	2	6	4	2
	25-34	103	56	12	5	8	7	3	2	...
	35-44	139	68	16	7	14	6	5	2	2
	45-54	203	86	50	12	10	7	6	2	4
	55-64	365	163	65	31	28	16	9	5	6
	65-74	469	210	92	42	27	21	14	2	10
	75-84	307	115	73	23	31	11	15	6	2
	85 and over	54	19	13	2	4	4	2	1	1
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages ...	2118	951	385	159	150	86	80	36	31

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—August 1933—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	1	...	...	...	...	...	...
6	Whooping-cough ... ..	...	1	...	...	1	...	...	...
7	Diphtheria ... ..	...	...	...	...	1	...	...	1
8	Influenza... ..	...	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	1	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ... ..	...	4	1	1	...	1	2	1
11	Other Tuberculous Diseases ... ..	...	...	1	2	...	1	1	...
14 (3)	Other Infectious and Parasitic Diseases	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	3	1	4	7	6	3	6	3
18	Diabetes Mellitus ... ..	...	...	...	...	...	1	...	1
20	Oth. Gen. Diseases, Chronic Poisonings	2	1	2	1	3	...	1	2
22	Cerebral Hæmorrhage, &c.	6	5	7	5	1	4	1	6
23	Oth. Dis. of Nerv. Syst. and Sense Org.	...	...	3	1	1	...	...	...
24	Heart Disease	5	1	2	6	5	5	5	6
25	Other Circulatory Diseases ... ..	...	2	1	...	...	1	...	...
26	Bronchitis ... ..	...	...	...	3	...	...	1	...
27	Pneumonia (all forms)	1	1	3	1	2	3	2	1
28	Other Respiratory Diseases ... ..	...	...	1	...	1	2	1	...
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	...	...	...	...	2	...
29	Diarrhœa, &c. (all Ages) ... ..	...	1	...	1	2	...	...	2
30	Appendicitis ... ..	...	...	...	...	...	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	1	...	1	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	1	1	...	...	2	...	1
32 (2)	Other Digestive Diseases ... ..	...	1	1	...	...	...	...	...
33	Acute and Chronic Nephritis	1	...	...	...	3	...	3	...
34	Oth. Diseases of Genito-Urinary System	2	...	...	...	...	...	1	1
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	1	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	1	...	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	1	2	3	...	...	2	...	2
39	Old Age ... ..	...	1	3	1	1	...	...	2
40	Suicide ... ..	...	...	...	...	...	...	2	...
42	Other Violence	1	4	...	4	4	...	1	2
43	Causes Ill-defined or Unknown ... ..	...	...	1	...	2	...	1	...
All Causes ...		23	28	35	33	34	25	31	31
AGE AT DEATH.									
Under 1		2	4	4	4	4	4	1	3
1-4 ... ..		...	3	1	...	1	...	...	...
5-9 ... ..		...	1	...	1	...	...	...	2
10-14		1	...	...	1	1	...	1	2
15-24 ... ..		...	1	3	2	3	...	2	1
25-34 ... ..		...	2	2	2	2	...	2	...
35-44		1	4	3	3	2	3	1	2
45-54		3	1	4	3	6	2	4	3
55-64		6	2	1	10	7	4	6	6
65-74		6	6	12	2	8	6	8	3
75-84		4	3	4	4	...	3	6	7
85 and over	1	1	1	...	3	...	2
Not stated
All Ages ...		23	28	35	33	34	25	31	31

* See note (+), Table III.

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ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of AUGUST 1933.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.						HYGROMETER. Mean at 9 A.M. and 9 P.M.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS Number of Observations at 9 A.M. and 9 P.M.												
	feet.	inch.	Mean of	Absolute Maximum and Minimum.			Difference from Average.	Mean of A and B (Mean Tem- perature).	Maximum (A.)	Minimum (B.)	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity. per cent.	Number of Days.	Total Fall. inch.	Difference from Average. inch.	Calm or Variable.									
				Maximum.	Day of Month.	Minimum.												Day of Month.	N	NE	E	SE	S	SW	W	NW	
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.730	29.929	66.0	55.4	60.7	+3.6	81	5th	50	13th	61.3	4.3	.408	75	18	2.28	-1.63	2	2	2	0	8	14	18	16	0
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.448	29.920	67.3	54.0	60.7	+4.0	80	5th	48	23rd	59.4	3.9	.386	77	11	0.84	-2.37	0	1	0	2	5	14	26	5	9
DUNDEE, College Gardens.	147	29.724	29.900	69.4	53.1	61.3	+3.4	81	3rd	45	24th	63.0	5.0	.420	73	13	0.94	-2.44	0	0	4	0	0	12	42	4	0
ABERDEEN,* The Meteorological Office.	90	29.770	29.868	67.2	52.2	59.7	+3.4	83	3rd	42	12th	60.1	4.2	.400	76	16	1.22	-1.52	0	1	2	2	14	5	12	9	17
PAISLEY, JOHN WOODROW, The Coats Observatory.	107	29.811	29.927	67.7	54.5	61.1	+2.6	83	5th	50	12, 13, 23	60.1	3.5	.413	79	20	2.46	-1.45	0	0	0	4	10	17	19	3	9
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.684	29.936	65.4	54.9	60.1	+2.9	79	5th	50	12, 22, 24	59.5	3.4	.403	79	20	3.51	-1.93	0	1	2	0	10	11	25	10	3
PERTH,‡ J. RITCHIE, The Museum.	22	29.872	29.896	69.5	51.9	60.7	+3.4	83	5th	42	24th	60.4	4.3	.390	75	13	0.65	-2.72	0	0	0	2	6	53	0	1	0
Means	163	29.727	29.911	67.5	53.7	60.6	+3.3	80	..	..	..	60.5	4.1	.403	76	16	1.70	-2.01	0	1	1	1	8	18	20	7	6

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.

At 9 A.M. only.

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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

SEPTEMBER 1933.

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REPORT

During the month of September 1933 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births of 3,285 living children, of whom 1,693 were males and 1,592 were females. Compared with the number in the previous month, births of male children are 275 fewer, of female children 258 fewer, and of children of both sexes 533 fewer. The monthly birth-rate in these towns taken collectively was 16·0 per thousand. This rate is 1·9 less than that for the previous month, and is 2·5 below the average.

In the individual towns the monthly birth-rate ranged from 20·0 in Ayr, 19·3 in Hamilton, and 18·5 in Clydebank, to 9·7 in Perth, 11·5 in Dunfermline, and 13·9 in Edinburgh. In Coatbridge it was 18·4, in Greenock 17·6, in Falkirk 17·3, in Kilmarnock 16·7, in Glasgow 16·6, in Dundee 16·5, in Kirkcaldy 16·2, in Motherwell and Wishaw 16·1, in Paisley 15·4, and in Aberdeen 14·7.

Of the 3,285 living children whose births were registered during the month, 3,068 or 93·4 per cent. were legitimate, while 217 or 6·6 per cent. were illegitimate. The legitimate children numbered 530 fewer than in the previous month, and the illegitimate children 3 fewer. The illegitimate rate for the month is 0·8 above that for the previous month. In the individual towns it ranged from 11·3 in Kilmarnock, 10·8 in Dundee, and 9·8 in Hamilton, to 0 in Kirkcaldy, 1·4 in Clydebank, and 1·6 in Ayr.

Marriages registered during the month numbered 2,121 and are 541 more than in the previous month. The marriage-rate, 10·3 per thousand, is 2·9 above that for the previous month and 0·7 above the average. In the individual towns

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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it ranged from 14·5 in Kilmarnock, 12·4 in Edinburgh, and 12·4 in Aberdeen, to 5·2 in Clydebank, 6·7 in Coatbridge, and 6·9 in Kirkcaldy.

Deaths registered in these towns during the month numbered 2,394 and are 102 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,210, of whom 1,154 were males and 1,056 were females. The corrected number is 92 more than in the previous month, males being 78 more and females 14 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 10·7 per thousand, being 0·7 above that for the previous month, but 0·3 below the average. In the towns taken individually the death-rate ranged from 13·2 in Dundee, 11·5 in Aberdeen, and 11·4 in Kilmarnock, to 7·5 in Coatbridge, 7·6 in Hamilton, and 8·1 in Falkirk. In Glasgow it was 10·9, in Edinburgh 10·9, in Kirkcaldy 10·7, in Perth 10·7, in Greenock 10·4, in Paisley 9·8, in Ayr 9·8, in Clydebank 9·2, in Dunfermline 8·8, and in Motherwell and Wishaw 8·3.

Deaths of children of less than one year old numbered 287, and equalled an infantile mortality rate of 76 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 27 more than in the previous month, while the rate is 10 more than in that month and 6 above the average. In the individual towns this rate ranged from 119 in Perth, 110 in Paisley, and 109 in Dundee, to 19 in Falkirk, 22 in Dunfermline, and 36 in Ayr. In Clydebank it was 96, in Glasgow 87, in Coatbridge 82, in Kirkcaldy 70, in Greenock 65, in Motherwell and Wishaw 62, in Kilmarnock 62, in Edinburgh 54, in Hamilton 42, and in Aberdeen 40.

Deaths from the principal epidemic diseases numbered 62, and equalled a death-rate of 0·3 per thousand. These deaths are 12 more than in the previous month, and the rate is 0·1 more. They include none from typhoid fever, none from measles, 10 from scarlet fever, 10 from whooping-cough, 16 from diphtheria, 8 from influenza, 5 from cerebro-spinal fever, and 13 from other epidemic diseases, 5 of which were ascribed to erysipelas, 4 to acute poliomyelitis, 2 to dysentery, and 2 to lethargic encephalitis. Compared with the number in the previous month, deaths from scarlet fever are 6 more, from diphtheria 6 more, from other epidemic diseases 6 more, and from influenza 4 more, but those from cerebro-spinal fever are 1 fewer, and from whooping-cough 7 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 242, and equalled a death-rate of 1·2 per thousand. Compared with the number in the previous month these deaths are 41 more, while the rate is 0·3 more, but is 0·1 below the average.

Deaths from all forms of tuberculosis numbered 148, of which 119 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 11 fewer, but those from respiratory tuberculosis 4 more. Compared with the average the former are 18 fewer and the latter 5 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

SEPTEMBER 1933.

Mean barometric pressure, 30·095 in. ; greater than the average of 1881-1915 by 0·147 in.

Mean temperature, 56°·6 F. ; greater by 2°·9 F.

Mean daily range of temperature, 14°·1 F. ; greater by 0°·7 F.

Rain, depth in inches, 1·11; less by 1·65 in.

Wind, direction of:—a six days' excess of winds from between north-east and south-east.

Throughout the first few days of the month slight rain or drizzle with occasional bright periods were more or less general, but from 7th onwards until around 12th Scotland came under the influence of an anticyclone, which had gradually extended northwards, and the weather became warm, dry and sunny. Between 17th and 20th, with a series of low pressure systems from the Atlantic passing across our shores, unsettled conditions became widespread, with heavy rainfalls and local gales. With the last few days of the month pressure again became high, and although generally dry local fogs were very frequent. At Edinburgh the extremes of pressure were 30·55 in. on 17th and 29·58 in. on 23rd.

For the eighth month in succession the mean temperature was above normal, it being in Scotland the mildest September since as long ago as 1898. The first week of the month, and again around 17th, were generally the warmest periods, and of the various maxima measured the most notable were 79° F. at Stonehaven on 6th, 78° F. at Ayr on 5th, and at North Berwick and Ruthwell on 6th, and 77° F. at Kilmarnock on 5th. On 17th temperature rose to 77° F. at North Berwick, and at Edinburgh University 76° F. was recorded on the same day. The coolest periods were between 10th and 14th and on 28th, the screen minimum at Dalwhinnie being 30° F. on the mornings of 10th and 20th. Ground frosts were reported from some place or other on thirteen different occasions; at Glenbranter, near Strachur, grass minimum temperatures of 26° F. and 24° F. occurred on the mornings of 14th and 28th.

Over all Scotland rainfall aggregates were below normal, the deficiency being very pronounced in south-western and extreme southern areas, where the total rainfall was about one-fifth of the average. The wettest period was from 17th to 20th, the heaviest falls being 1·58 in. at Poltalloch and 1·45 in. at Ardrishaig on 19th. At Greenock there were only three days with measurable rain, and at Glenbranter, where there were only two wet days, the monthly total was 1·28 in., of which 1·16 in. fell on 20th, and indeed such were the conditions at most places. At several places in the west it was the driest September since 1894.

Thunder was reported from various places chiefly in eastern and extreme south-western districts on six days, the most widespread storm being that of 20th.

With pressure generally high fog was frequent, there being in all 20 days on which it was reported from some place or other, the most widespread visitations being those between 27th and 30th. Local gales occurred between 17th and 20th and on 24th, during the passage of low pressure disturbances over our isles.

Sunshine aggregates were practically everywhere above the average, the excess being very marked in the northern and western isles.

Aurora was observed in northern and western districts on each night from 7th to 11th, on 13th, 14th, 16th, 21st, and again from 24th to 26th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 72.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, SEPTEMBER 1933.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Enumerated at Census 1931.	Estimated to middle of 1933.	Males.	Females.	Total.	Legitimate.	Illegitimate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,088,524	1,111,600	804	713	1517	1416	101	948	587	497	1084	140	50	994
EDINBURGH, . . .	439,010	451,900	260	257	517	486	31	461	232	236	468	77	12	403
DUNDEE, . . .	175,681	177,500	119	122	241	215	26	106	94	106	200	15	8	193
ABERDEEN, . . .	167,258	170,900	102	105	207	194	13	174	87	99	186	40	15	161
PAISLEY, . . .	86,445	88,300	57	55	112	104	8	66	36	39	75	10	6	71
GREENOCK, . . .	78,949	79,700	52	63	115	109	6	53	45	24	69	6	5	68
MOTHERWELL AND WISHAW, . .	64,710	65,900	40	47	87	83	4	39	25	13	38	0	7	45
CLYDEBANK, . . .	46,952	48,700	39	35	74	73	1	21	12	9	21	2	18	37
KIRKCALDY, . . .	43,874	44,400	27	32	59	59	0	25	13	18	31	0	8	39
COATBRIDGE, . . .	43,056	43,700	37	29	66	61	5	24	16	5	21	0	6	27
KILMARNOCK, . . .	38,100	38,600	28	25	53	47	6	46	23	14	37	7	6	36
HAMILTON, . . .	37,862	38,500	31	30	61	55	6	34	6	11	17	0	7	24
AYR, . . .	36,783	37,200	37	24	61	60	1	37	21	20	41	15	4	30
FALKIRK, . . .	36,566	37,300	27	26	53	48	5	30	22	13	35	10	0	25
DUNFERMLINE, . . .	35,058	36,100	18	16	34	32	2	25	12	13	25	4	5	26
PERTH, . . .	34,807	35,300	15	13	28	26	2	32	24	22	46	17	2	31
TOTAL . . . (SIXTEEN TOWNS)	2,453,635	2,505,600	1693	1592	3285	3068	217	2121	1255	1139	2394	343	159	2210

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, SEPTEMBER 1933.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		† Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW, . . .	16·6	6·7	10·4	11·9	10·9	0·4	0·8	0·6	1·3	154	87
EDINBURGH, . . .	13·9	6·0	12·4	12·6	10·9	0·3	0·7	0·6	1·1	31	54
DUNDEE, . . .	16·5	10·8	7·3	13·7	13·2	0·4	0·8	0·6	1·9	28	109
ABERDEEN, . . .	14·7	6·3	12·4	13·2	11·5	0·1	0·4	0·4	1·1	10	40
PAISLEY, . . .	15·4	7·1	9·1	10·3	9·8	0·0	0·7	0·6	0·8	14	110
GREENOCK, . . .	17·6	5·2	8·1	10·5	10·4	0·5	0·6	0·5	0·8	9	65
MOTHERWELL AND WISHAW, . .	16·1	4·6	7·2	7·0	8·3	0·0	0·7	0·7	1·1	7	62
CLYDEBANK, . . .	18·5	1·4	5·2	5·2	9·2	0·5	1·0	0·7	1·7	7	96
KIRKCALDY, . . .	16·2	0·0	6·9	8·5	10·7	0·0	0·5	0·5	0·3	4	70
COATBRIDGE, . . .	18·4	7·6	6·7	5·8	7·5	0·6	0·0	0·0	1·1	7	82
KILMARNOCK, . . .	16·7	11·3	14·5	11·7	11·4	0·0	0·6	0·6	0·6	4	62
HAMILTON, . . .	19·3	9·8	10·7	5·4	7·6	0·3	0·3	0·3	0·3	3	42
AYR, . . .	20·0	1·6	12·1	13·4	9·8	0·0	1·0	1·0	0·7	2	36
FALKIRK, . . .	17·3	9·4	9·8	11·4	8·1	0·3	0·3	0·3	1·3	1	19
DUNFERMLINE, . . .	11·5	5·9	8·4	8·4	8·8	0·0	1·0	0·7	0·7	1	22
PERTH, . . .	9·7	7·1	11·0	15·9	10·7	0·3	0·7	0·3	1·0	5	119
TOTAL . . . (SIXTEEN TOWNS)	16·0	6·6	10·3	11·6	10·7	0·3	0·7	0·6	1·2	287	76

* Based on the average number of births registered monthly during the past 12 months.
† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR SEPTEMBER 1933, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
SEPT. 1933, .	16·0	6·6	10·3	10·7	0	0	10	10	16	8	5	13	76	56°·6
SEPT. 1932, .	17·9	5·9	9·9	10·8	3	1	13	14	9	15	10	7	66	53°·3
SEPT. 1931, .	18·9	6·0	9·5	11·2	6	34	4	7	11	20	12	9	64	52°·2
SEPT. 1930, .	19·2	7·0	10·2	11·1	2	5	3	16	24	17	14	21	66	54°·5
SEPT. 1929, .	18·2	6·7	9·4	10·6	2	2	1	15	14	9	11	17	71	56°·3
SEPT. 1928, .	18·5	6·8	9·2	11·2	1	1	3	31	19	16	9	19	81	52°·8
SEPT. 1927, .	20·0	6·9	8·9	11·9	3	18	5	34	22	10	4	14	81	52°·1
SEPT. 1926, .	20·2	5·7	8·9	11·1	5	3	14	10	20	12	5	12	80	54°·6
SEPT. 1925, .	21·1	7·3	8·8	11·3	3	0	14	24	14	18	1	14	79	51°·2
SEPT. 1924, .	21·4	5·9	9·2	12·0	1	23	26	46	27	14	1	16	79	53°·0
SEPT. 1923, .	22·2	6·6	10·0	11·0	0	31	20	26	15	8	8	10	68	52°·3

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—September 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over		
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	Measles -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever -	10	4	6	2	7	-	-	-	-	1	-	-	-	-	-	-	
6	Whooping-cough -	10	6	4	8	2	-	-	-	-	-	-	-	-	-	-	-	
7	Diphtheria -	16	10	6	1	5	6	4	-	-	-	-	-	-	-	-	-	
8	Influenza -	8	5	3	-	-	-	-	-	2	2	1	2	1	-	-	-	
14 (1)	Cerebro-spinal Fever -	5	5	-	2	-	-	-	1	2	-	-	-	-	-	-	-	
14 (2)	Other Epidemic Diseases* -	13	9	4	2	3	1	1	2	-	1	-	-	1	2	-	-	
10	Tuberculosis of Respiratory System -	119	67	52	-	2	1	4	40	22	21	13	11	3	2	-	-	
11	Other Tuberculous Diseases -	29	14	15	6	4	3	3	6	1	2	1	3	-	-	-	-	
14 (3)	Other Infectious and Parasitic Diseases -	11	6	5	1	-	-	-	3	3	-	1	1	1	1	-	-	
15	Cancer, Malignant Disease -	338	158	180	-	1	1	-	2	4	22	57	88	106	50	7	-	
18	Diabetes Mellitus -	32	9	23	-	-	-	-	1	1	2	6	12	8	2	-	-	
20	Other General Dis., Chronic Poisonings -	38	12	26	1	1	3	2	1	6	3	8	4	7	2	-	-	
22	Cerebral Hæmorrhage, &c. -	225	97	128	-	-	-	-	-	-	4	25	57	73	60	6	-	
23	Oth. Dis. of Nervous System & Sense Org. -	54	32	22	15	4	1	2	5	1	5	4	7	7	2	1	-	
24	Heart Disease -	331	179	152	-	1	1	3	8	19	24	71	104	77	15	-	-	
25	Other Circulatory Diseases -	47	29	18	-	-	-	-	-	1	2	6	4	14	16	4	-	
26	Bronchitis -	60	35	25	5	-	-	-	-	-	5	6	9	11	19	5	-	
27	Pneumonia (all forms) -	161	103	58	34	27	3	2	6	9	10	24	14	19	13	-	-	
28	Other Respiratory Diseases -	21	12	9	3	-	-	-	-	1	2	3	2	4	3	3	-	
32 (1)	Gastric and Duodenal Ulcer -	16	11	5	-	-	-	-	-	3	2	2	4	3	2	-	-	
29	Diarrhœa, &c. (all ages) -	101	53	48	76	16	1	1	-	-	-	-	4	3	-	-	-	
30	Appendicitis -	19	10	9	-	1	3	2	3	4	-	3	1	1	1	-	-	
31 (1)	Cirrhosis of Liver -	8	3	5	-	-	-	-	1	-	2	3	2	-	-	-	-	
31 (2)	Other Diseases of Liver, &c. -	14	3	11	-	-	-	-	1	1	1	1	5	3	2	-	-	
32 (2)	Other Digestive Diseases -	56	22	34	8	1	3	-	-	-	7	9	5	14	7	2	-	
33	Acute and Chronic Nephritis -	49	23	26	1	-	2	2	2	4	4	6	11	10	7	-	-	
34	Other Dis. of Genito-Urinary System -	43	26	17	1	1	-	1	1	1	3	2	10	13	8	2	-	
35	Puerperal Sepsis -	8	-	8	-	-	-	-	2	4	2	-	-	-	-	-	-	
36	Other Puerperal Causes -	12	-	12	-	-	-	-	1	4	7	-	-	-	-	-	-	
37	Diseases of Skin and Locomotor System -	17	10	7	2	1	-	4	-	3	-	-	2	4	1	-	-	
38	Congen. Debil., Prem. Birth, Malform., &c. -	116	65	51	110	6	-	-	-	-	-	-	-	-	-	-	-	
39	Old Age -	69	29	40	-	-	-	-	-	-	-	-	-	5	49	15	-	
40	Suicide -	29	18	11	-	-	-	-	1	8	7	7	5	1	-	-	-	
42	Other Violence -	91	64	27	7	11	8	3	10	9	5	9	9	13	5	2	-	
43	Causes Ill-defined or Unknown -	34	25	9	2	-	-	-	-	1	1	10	4	12	3	1	-	
ALL CAUSES		2210	1154	1056	287	94	37	34	97	103	142	231	347	441	334	63	-	

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—September 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	10	7	...	2	...	...	1	...	...
6	Whooping-cough	10	7	1	2	...	...	...	...	...
7	Diphtheria	16	9	2	1	1	...	2	...	...
8	Influenza	8	1	2	1	...	...	...	...	1
14 (1)	Cerebro-spinal Fever	5	4	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	13	6	5	...	1	...	...	...	1
10	Tuberculosis of Respiratory System ...	119	57	22	9	5	4	3	4	3
11	Other Tuberculous Diseases	29	17	4	2	1	1	1	...	1
14 (3)	Other Infectious and Parasitic Diseases	11	3	2	1	2	...	...	...	...
15	Cancer, Malignant Disease	338	139	65	29	26	12	11	6	3
18	Diabetes Mellitus	32	15	3	2	1	3	2	...	...
20	Oth. Gen. Diseases, Chronic Poisonings	38	16	11	1	3	1	1	...	1
22	Cerebral Hæmorrhage, &c.	225	106	42	20	18	2	7	3	3
23	Oth. Dis. of Nerv. Syst. and Sense Org.	54	31	4	1	4	3	4	2	...
24	Heart Disease	331	121	72	32	37	9	8	7	4
25	Other Circulatory Diseases	47	17	15	6	2	2	1	...	...
26	Bronchitis	60	28	11	9	3	3	...	1	...
27	Pneumonia (all forms)	161	78	25	17	10	3	5	5	6
28	Other Respiratory Diseases	21	10	5	1	2	...	...	...	1
32 (1)	Gastric and Duodenal Ulcer	16	4	5	2	1	1	...	...	2
29	Diarrhœa, &c. (all Ages)	101	64	5	8	2	7	3	4	1
30	Appendicitis	19	9	4	4	...	...	1	...	...
31 (1)	Cirrhosis of Liver	8	5	1	...	...	...	...	...	1
31 (2)	Other Diseases of Liver, &c.	14	4	1	3	1	1	1	2	...
32 (2)	Other Digestive Diseases	56	26	15	2	5	...	2	1	...
33	Acute and Chronic Nephritis	49	18	6	3	5	2	3	2	...
34	Oth. Diseases of Genito-Urinary System	43	17	9	4	2	2	2	...	1
35	Puerperal Sepsis	8	3	...	1	1	1	...	...	1
36	Other Puerperal Causes	12	5	3	...	2	...	...	...	...
37	Dis. of Skin, and of Locomotor System	17	4	5	2	...	3	...	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	116	47	18	12	8	5	5	2	4
39	Old Age	69	33	17	3	4	2	2	3	1
40	Suicide	29	13	4	1	6	1	...	1	...
42	Other Violence	91	41	18	12	6	3	2	...	2
43	Causes Ill-defined or Unknown ...	34	29	1	...	2	...	1	1	...
	All Causes	2210	994	403	193	161	71	68	45	37
	AGE AT DEATH.									
	Under 1	287	154	31	28	10	14	9	7	7
	1- 4	94	48	13	6	8	...	2	3	3
	5- 9	37	18	7	4	2	1	2	1	...
	10-14	34	15	6	2	1	4	2	1	1
	15-24	97	50	13	5	8	4	3	1	2
	25-34	103	46	23	9	7	1	3	...	4
	35-44	142	53	27	7	12	7	4	3	3
	45-54	231	95	41	17	23	10	6	7	5
	55-64	347	157	72	23	27	7	15	5	0
	65-74	441	199	76	46	36	10	18	8	...
	75-84	334	137	69	42	23	13	4	9	...
	85 and over	63	22	25	4	4	...	...	...	1
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2210	994	403	193	161	71	68	45	37

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—September 1933—*continued*.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	...	...	...	...	...	...	...
7	Diphtheria ... ..	...	...	...	...	...	1	...	...
8	Influenza... ..	...	1	...	1	...	...	...	1
14 (1)	Cerebro-spinal Fever ... ..	...	1	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	2	...	2	1	3	1	2	1
11	Other Tuberculous Diseases ... ..	...	...	...	...	...	...	1	1
14 (3)	Other Infectious and Parasitic Diseases	...	1	1	...	...	...	1	...
15	Cancer, Malignant Disease	8	5	7	3	5	6	5	8
18	Diabetes Mellitus	1	...	2	...	2	...	1	...
20	Oth. Gen. Diseases, Chronic Poisonings	2	...	...	...	1	...	1	...
22	Cerebral Hæmorrhage, &c.	6	...	2	3	2	3	2	6
23	Oth. Dis. of Nerv. Syst. and Sense Org.	1	...	...	1	...	2	...	1
24	Heart Disease	4	3	6	4	11	5	6	2
25	Other Circulatory Diseases ... ..	...	...	1	1	...	...	...	2
26	Bronchitis ... ..	...	1	...	...	1	2	1	...
27	Pneumonia (all forms)	1	3	2	1	1	2	...	2
28	Other Respiratory Diseases ... ..	...	...	...	...	...	...	1	1
32 (1)	Gastric and Duodenal Ulcer	1	...	...	...	...	...	...	...
29	Diarrhœa, &c. (all Ages) ... ..	...	...	2	3	1	...	...	1
30	Appendicitis ... ..	...	...	1	...	...	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	1	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	1	...	...	...
32 (2)	Other Digestive Diseases ... ..	...	1	...	1	...	1	1	1
33	Acute and Chronic Nephritis	1	2	3	1	1	...	1	1
34	Oth. Diseases of Genito-Urinary System	1	1	3	...	...	1	...	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	1	...
36	Other Puerperal Causes ... ..	...	1	1	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	1	...	...	...	...	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	5	3	1	2	1	...	...	3
39	Old Age	3	1	...	...	...	...	...	...
40	Suicide	1	...	...	1	...	...	1	...
42	Other Violence	1	3	1	1	...	...	1	...
43	Causes Ill-defined or Unknown ...	...	...	...	...	...	...	...	...
	All Causes ...	39	27	36	24	30	25	26	31
	AGE AT DEATH.								
	Under 1	4	7	4	3	2	1	1	5
	1-4	2	4	1	2	...	1	...	1
	5-9 ... ..	...	...	1	...	...	1	...	...
	10-14	1	1	...	...	...	...	...	...
	15-24	1	1	1	2	3	...	2	1
	25-34 ... ..	...	1	1	2	5	...	...	1
	35-44	3	3	3	6	2	3	4	2
	45-54	4	3	5	1	5	3	4	2
	55-64	5	3	8	2	4	7	3	3
	65-74	6	3	7	4	3	3	7	12
	75-84	13	1	3	2	4	6	3	3
	85 and over ... ..	...	...	2	...	2	...	2	1
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages ...	39	27	36	24	30	25	26	31

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of SEPTEMBER 1933.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.					HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS													
	feet.	inch.	Mean of	Absolute Maximum and Minimum.			Difference from Average.	Mean of A and B (Mean Temperature).	Maximum (A.)	Minimum (B.)	Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.									
				Maximum (A.)	Minimum (B.)	Dry Bulb.					Depression of Wet Bulb.	Vapour Pressure.	Humidity.	N				NE	E	SE	S	SW	W	NW	Calm or Variable.		
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29·943	30·094	64·1	50·6	57·3	+3·8	73	4th	43	14th	56·7	2·8	·386	per cent. 83	9	0·66	inch. -2·32	2	8	22	2	2	2	4	8	10
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29·618	30·097	62·0	50·5	56·3	+3·0	73	6, 17	44	14th	54·9	2·3	·370	85	10	1·87	-0·18	2	9	6	3	1	7	8	3	21
DUNDEE, College Gardens.	147	29·902	30·080	64·1	49·8	56·9	+2·6	71	2nd	43	28th	57·7	3·2	·390	80	9	1·57	-0·51	4	8	14	4	0	4	22	4	0
ABERDEEN,* The Meteorological Office.	90	29·987	30·086	61·4	48·1	54·7	+1·7	69	18th	38	10, 16, 28	54·5	2·3	·370	86	6	0·90	-1·32	3	4	4	7	12	2	1	17	10
PAISLEY, JOHN WOODROW, The Coats Observatory.	107	29·972	30·089	64·2	50·4	57·3	+2·4	74	5th	44	14, 19	55·7	2·2	·390	86	6	0·86	-2·15	2	12	9	1	5	6	4	3	18
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29·855	30·108	63·7	51·2	57·5	+3·7	72	5th	44	14th	55·5	2·4	·370	85	3	0·71	-4·04	1	12	22	4	5	2	10	2	2
PERTH,† J. RITCHIE, The Museum.	22	30·084	30·108	66·4	46·5	56·5	+3·2	73	2, 4	38	12, 19	53·1	1·8	·353	87	8	1·19	-1·04	2	11	1	21	2	15	5	3	0
Means	163	29·909	30·095	63·7	49·6	56·6	+2·9	73	..	..	..	55·4	2·4	·376	85	7	1·11	-1·65	2	9	11	6	4	5	8	6	9

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 8° 25'; Mean, 3° 36'.

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 28'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M. † At 9 A.M. only.

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MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

OCTOBER 1933.

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REPORT

During the month of October 1933 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births of 3,487 living children, of whom 1,830 were males and 1,657 were females. Compared with the number in the previous month, births of male children are 137 more, of female children 65 more, and of children of both sexes 202 more. The monthly birth-rate in these towns taken collectively was 16·4 per thousand. This rate is 0·4 more than that for the previous month, but is 3·3 below the average.

In the individual towns the monthly birth-rate ranged from 21·7 in Hamilton, 19·3 in Ayr, and 18·6 in Coatbridge, to 11·7 in Perth, 13·0 in Kirkcaldy, and 13·6 in Falkirk. In Glasgow it was 17·2, in Dundee 17·2, in Motherwell and Wishaw 17·2, in Aberdeen 16·7, in Kilmarnock 15·6, in Clydebank 15·5, in Greenock 15·4, in Edinburgh 15·1, in Paisley 13·7, and in Dunfermline 13·7.

Of the 3,487 living children whose births were registered during the month, 3,287 or 94·3 per cent. were legitimate, while 200 or 5·7 per cent. were illegitimate. The legitimate children numbered 219 more than in the previous month, but the illegitimate children 17 fewer. The illegitimate rate for the month is 0·9 below that for the previous month. In the individual towns it ranged from 8·7 in Greenock, 8·2 in Kirkcaldy, and 8·1 in Dundee, to 1·4 in Hamilton, 2·0 in Kilmarnock, and 2·3 in Falkirk.

Marriages registered during the month numbered 1,761 and are 360 fewer than in the previous month. The marriage-rate, 8·3 per thousand, is 2·0 below that for the previous month but 0·8 above the average. In the individual towns

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

EDINBURGH

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it ranged from 11·3 in Perth, 9·8 in Dundee, and 9·5 in Dunfermline, to 4·6 in Clydebank, 4·6 in Coatbridge, and 5·2 in Paisley.

Deaths registered in these towns during the month numbered 2,729 and are 335 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,494, of whom 1,283 were males and 1,211 were females. The corrected number is 284 more than in the previous month, males being 129 more, and females 155 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 11·7 per thousand, being 1·0 above that for the previous month, but 0·5 below the average. In the towns taken individually the death-rate ranged from 14·9 in Ayr, 14·6 in Kirkcaldy, and 13·7 in Coatbridge, to 8·9 in Clydebank, 9·1 in Falkirk, and 10·1 in Hamilton. In Perth it was 13·0, in Dunfermline 12·7, in Dundee 12·5, in Glasgow 11·7, in Edinburgh 11·7, in Paisley 11·7, in Greenock 11·5, in Kilmarnock 11·3, in Aberdeen 11·2, and in Motherwell and Wishaw 10·5.

Deaths of children of less than one year old numbered 315, and equalled an infantile mortality rate of 81 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 28 more than in the previous month, while the rate is 5 more than in that month and 4 above the average. In the individual towns this rate ranged from 123 in Ayr, 115 in Coatbridge, and 109 in Paisley, to 19 in Falkirk, 21 in Dunfermline, and 45 in Kilmarnock. In Kirkcaldy it was 105, in Glasgow 96, in Greenock 85, in Hamilton 81, in Dundee 72, in Clydebank 67, in Motherwell and Wishaw 61, in Aberdeen 57, in Edinburgh 56, and in Perth 47.

Deaths from the principal epidemic diseases numbered 83, and equalled a death-rate of 0·4 per thousand. These deaths are 21 more than in the previous month, and the rate is 0·1 more. They include 5 from typhoid fever, none from measles, 16 from scarlet fever, 7 from whooping-cough, 20 from diphtheria, 14 from influenza, 6 from cerebro-spinal fever, and 15 from other epidemic diseases, 12 of which were ascribed to erysipelas, 2 to lethargic encephalitis, and 1 to acute poliomyelitis. Compared with the number in the previous month, deaths from scarlet fever are 6 more, from influenza 6 more, from typhoid fever 5 more, from diphtheria 4 more, from other epidemic diseases 2 more, and from cerebro-spinal fever 1 more, but those from whooping-cough are 3 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 323, and equalled a death-rate of 1·5 per thousand. Compared with the number in the previous month these deaths are 81 more, while the rate is 0·3 more, but is 0·2 below the average.

Deaths from all forms of tuberculosis numbered 153, of which 117 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 5 more, but those from respiratory tuberculosis 2 fewer. Compared with the average the former are 30 fewer, and the latter 19 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

OCTOBER 1933.

Mean barometric pressure, 29·855 in. ; greater than the average of 1881-1915 by 0·007 in.

Mean temperature, 49°·5 F. ; greater by 2°·0 F.

Mean daily range of temperature, 9°·9 F. ; less by 1°·7 F.

Rain, depth in inches, 3·18; less by 0·23 in.

Wind, direction of:—a three days' excess of winds from between north and north-east.

Quiet anticyclonic conditions were general at the beginning of the month, but around the 7th depressions began to affect western and northern districts, and weather became generally less settled and continued so throughout the remainder of the month. For a time barometric pressure became high to the west and north-west and the depressions, some of them intense, moved south-eastwards to the North Sea and the Baltic, thus giving rise to frequent north-easterly winds. At Edinburgh the extremes of pressure were 30·52 in. on 2nd and 29·11 in. on 28th.

For the ninth month in succession the mean temperature was above normal, it being the mildest October since 1921. The 4th was generally a warm day, temperatures of over 60° F. being registered in many places ; on this day 68° F. was reached at Perth and Arbroath and 67° F. at St. Andrews, Dundee and Leuchars. 67° F. was also registered on the 1st at Ardtornish. The coldest nights were those around the 3rd, 12th and 26th to 28th. The temperature in the screen fell to 26° F. at Dalwhinnie on the 3rd, while the temperature on the grass fell to 19° F. at Auchincruive on the 26th and 28th, and at Dalwhinnie on the 3rd. Ground frosts occurred on at least 14 different days somewhere or another.

Over south and west Scotland, south of a line joining the Hebrides to the Firth of Forth, and in the Orkneys rainfall aggregates were below the average, while north of this line there was an excess, in most places there being twice the normal. In many places in northern and north-western districts on some days there was over an inch of rain ; four such days happened at Achnacarry, Clunes, Fort William and Knoydart. Two inches or more fell at Kyleakin on the 9th, at Fort William on 10th, at Ardgour, Achnacarry and Clunes on 13th and at Aberlour on 28th, the largest being that at Clunes, namely 2·75 in. Serious flooding was experienced in the Garmouth district towards the end of the month.

Thunder occurred locally on 11 different days and hail on 9 days. Snow was reported on 8 days, reports being most frequent between 25th and 27th. On the 27th the snow lay to a depth of 1 inch at Balmoral. Gales were noted on 13 days ; the most widespread were those around 9th, 19th and 28th.

Sunshine aggregates were well below the average, the deficiency being very pronounced in the Hebrides.

Aurora was observed on nights of 1st, 10th, 11th, 13th, 24th, 25th, 26th and 29th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 80.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, OCTOBER 1933.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Enumerated at Census 1931.	Estimated to middle of 1933.	Males.	Females.	Total.	Legitimate.	Illegitimate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,088,524	1,111,600	848	772	1620	1536	84	809	658	555	1213	147	36	1102
EDINBURGH, . .	439,010	451,900	283	295	578	536	42	348	265	271	536	94	7	449
DUNDEE, . . .	175,631	177,500	133	121	259	233	21	148	88	107	195	12	5	188
ABERDEEN, . .	167,258	170,900	126	116	242	231	11	128	85	104	189	33	7	163
PAISLEY, . . .	86,445	88,300	60	43	103	97	6	39	45	47	92	11	7	88
GREENOCK, . .	73,949	79,700	63	41	104	95	9	40	44	36	80	6	4	78
MOTHERWELL AND WISHAW, .	64,710	65,900	58	38	96	91	5	34	20	29	49	0	10	59
CLYDEBANK, . .	46,952	48,700	41	23	64	60	4	19	8	13	21	0	16	37
KIRKCALDY, . .	43,874	44,400	20	29	49	45	4	28	23	24	47	2	10	55
COATBRIDGE, . .	43,056	43,700	30	39	69	64	5	17	31	17	48	2	5	51
KILMARNOCK, . .	38,100	38,600	28	23	51	50	1	22	18	22	40	7	4	37
HAMILTON, . . .	37,862	38,500	33	38	71	70	1	19	25	9	34	2	1	33
AYR,	36,783	37,200	36	25	61	59	2	26	29	30	59	19	7	47
FALKIRK, . . .	36,566	37,300	22	21	43	42	1	21	23	13	36	11	4	29
DUNFERMLINE, .	35,058	36,100	21	21	42	40	2	29	23	18	41	6	4	39
PERTH,	34,807	35,300	23	12	35	33	2	34	24	25	49	10	0	39
TOTAL (SIXTEEN TOWNS)	2,453,635	2,505,600	1830	1657	3487	3287	200	1761	1409	1320	2729	362	127	2494

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, OCTOBER 1933.

TOWNS.	Birth-Rate per 1000 of Population.	Illegitimate Birth-Rate per 100 Births.	Marriage-Rate per 1000 of Population.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		† Principal Epidemic Diseases.	All Tuberculosis.	Tuberc. of Respiratory System.	All Respiratory Diseases.	Number.	* Rate per 1000 Births.
				Registered.	Corr. for Transfers.						
GLASGOW, . . .	17·2	5·2	8·6	12·8	11·7	0·4	0·8	0·5	1·7	174	96
EDINBURGH, . .	15·1	7·3	9·1	14·0	11·7	0·2	0·7	0·6	1·1	33	56
DUNDEE, . . .	17·2	8·1	9·8	12·9	12·5	0·3	0·3	0·3	1·5	19	72
ABERDEEN, . .	16·7	4·5	8·8	13·0	11·2	0·2	0·6	0·4	0·8	15	57
PAISLEY, . . .	13·7	5·8	5·2	12·3	11·7	0·1	1·2	1·2	1·6	14	109
GREENOCK, . .	15·4	8·7	5·9	11·8	11·5	0·7	0·1	0·1	1·0	12	85
MOTHERWELL AND WISHAW, .	17·2	5·2	6·1	8·8	10·5	0·2	0·9	0·5	1·6	7	61
CLYDEBANK, . .	15·5	6·3	4·6	5·1	8·9	0·2	0·7	0·7	0·5	5	67
KIRKCALDY, . .	13·0	8·2	7·4	12·5	14·6	0·5	1·1	0·8	1·6	6	105
COATBRIDGE, . .	18·6	7·2	4·6	12·9	13·7	0·8	1·3	1·1	2·4	10	115
KILMARNOCK, . .	15·6	2·0	6·7	12·2	11·3	0·6	1·5	1·5	2·1	3	45
HAMILTON, . . .	21·7	1·4	5·8	10·4	10·1	1·2	0·3	0·0	2·4	6	81
AYR,	19·3	3·3	8·2	18·7	14·9	1·0	0·6	0·3	2·5	7	123
FALKIRK, . . .	13·6	2·3	6·6	11·4	9·1	0·3	1·3	1·3	1·6	1	19
DUNFERMLINE, .	13·7	4·8	9·5	13·4	12·7	0·3	0·3	0·3	1·6	1	21
PERTH,	11·7	5·7	11·3	16·4	13·0	0·7	0·3	0·3	2·3	2	47
TOTAL (SIXTEEN TOWNS)	16·4	5·7	8·3	12·8	11·7	0·4	0·7	0·5	1·5	315	81

* Based on the average number of births registered monthly during the past 12 months.
† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR OCTOBER 1933, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
OCT. 1933.	16·4	5·7	8·3	11·7	5	0	16	7	20	14	6	15	81	49°·5
OCT. 1932.	17·8	6·3	7·6	11·8	0	1	12	9	12	19	11	12	74	46° 0
OCT. 1931.	19·9	5·7	6·7	11·3	2	70	5	10	12	17	9	16	71	47° 8
OCT. 1930.	20·5	6·4	7·2	11·7	0	5	6	17	21	16	9	19	74	48°·8
OCT. 1929.	19·2	7·2	8·1	13·0	0	7	3	8	35	22	13	10	84	47°·2
OCT. 1928.	21·1	5·9	8·1	13·1	0	2	3	13	16	45	6	14	82	48°·0
OCT. 1927.	20·3	6·2	7·7	13·0	1	50	8	27	31	37	7	17	87	49°·2
OCT. 1926.	21·3	6·2	6·4	11·5	4	1	8	6	21	20	8	22	82	43°·8
OCT. 1925.	22·7	6·7	6·7	12·7	3	9	22	17	25	33	3	26	95	49°·1
OCT. 1924.	23·2	6·9	7·1	12·5	1	21	27	47	19	30	1	13	80	48°·0
OCT. 1923.	24·3	6·4	8·4	11·6	0	46	24	18	20	9	5	13	66	47°·9

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—October 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.	
1	Typhoid Fever (including Paratyphoid) -	5	4	1	1	-	-	-	1	2	-	1	-	-	-	-	
4	Measles - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever - - - - -	16	8	8	-	8	4	1	2	-	1	-	-	-	-	-	
6	Whooping-cough - - - - -	7	2	5	4	3	-	-	-	-	-	-	-	-	-	-	
7	Diphtheria - - - - -	20	13	7	-	10	7	2	-	-	-	-	1	-	-	-	
8	Influenza - - - - -	14	11	3	-	-	-	-	-	3	1	1	4	3	2	-	
14 (1)	Cerebro-spinal Fever - - - - -	6	4	2	2	2	-	-	1	-	1	-	-	-	-	-	
14 (2)	Other Epidemic Diseases* - - - - -	15	11	4	1	-	-	-	2	2	1	1	6	2	-	-	
10	Tuberculosis of Respiratory System - - - - -	117	64	53	1	2	1	6	28	30	24	17	5	2	1	-	
11	Other Tuberculous Diseases - - - - -	36	18	18	3	8	4	3	5	8	1	2	1	1	-	-	
14 (3)	Other Infectious and Parasitic Diseases - - - - -	16	8	8	1	2	1	1	1	1	3	1	2	2	1	-	
15	Cancer, Malignant Disease - - - - -	329	158	171	1	-	-	-	2	3	30	54	88	109	39	3	
18	Diabetes Mellitus - - - - -	29	5	24	-	-	-	-	1	1	4	4	7	10	2	-	
20	Other General Dis., Chronic Poisonings - - - - -	68	26	42	1	1	1	6	4	6	9	7	10	13	10	-	
22	Cerebral Hæmorrhage, &c. - - - - -	243	128	115	-	1	-	1	2	-	5	18	41	99	66	10	
23	Oth. Dis. of Nervous System & Sense Org. - - - - -	53	31	22	6	6	1	-	4	6	6	4	8	8	4	-	
24	Heart Disease - - - - -	419	196	223	-	1	2	3	9	14	20	36	78	120	118	18	
25	Other Circulatory Diseases - - - - -	50	24	26	-	-	-	-	-	-	-	2	13	14	14	7	
26	Bronchitis - - - - -	102	55	47	3	3	-	-	1	-	2	11	12	32	31	7	
27	Pneumonia (all forms) - - - - -	178	96	82	43	27	3	1	3	9	18	14	20	25	11	4	
28	Other Respiratory Diseases - - - - -	43	24	19	2	2	1	-	1	5	2	4	9	11	4	2	
32 (1)	Gastric and Duodenal Ulcer - - - - -	15	11	4	-	-	-	-	-	2	3	2	3	3	2	-	
29	Diarrhœa, &c. (all ages) - - - - -	127	74	53	102	15	2	-	-	-	-	-	3	1	4	-	
30	Appendicitis - - - - -	18	9	9	-	-	2	2	2	1	2	3	5	1	-	-	
31 (1)	Cirrhosis of Liver - - - - -	5	5	-	-	-	-	-	-	-	-	2	2	1	-	-	
31 (2)	Other Diseases of Liver, &c. - - - - -	11	1	10	-	1	-	-	-	-	1	2	3	3	-	1	
32 (2)	Other Digestive Diseases - - - - -	42	24	18	2	2	2	-	1	-	2	7	9	8	8	1	
33	Acute and Chronic Nephritis - - - - -	74	30	44	-	1	2	-	3	3	9	12	18	16	8	2	
34	Other Dis. of Genito-Urinary System - - - - -	36	24	12	2	-	-	-	2	3	3	4	6	7	8	1	
35	Puerperal Sepsis - - - - -	7	-	7	-	-	-	-	4	1	2	-	-	-	-	-	
36	Other Puerperal Causes - - - - -	13	-	13	-	-	-	-	3	4	6	-	-	-	-	-	
37	Diseases of Skin and Locomotor System - - - - -	22	11	11	3	2	1	-	-	4	5	2	2	3	-	-	
38	Congen. Debil., Prem. Birth, Malform., &c. - - - - -	136	85	51	133	1	1	1	-	-	-	-	-	-	-	-	
39	Old Age - - - - -	81	31	50	-	-	-	-	-	-	-	-	-	17	40	24	
40	Suicide - - - - -	23	14	9	-	-	-	-	2	3	3	7	6	1	1	-	
42	Other Violence - - - - -	85	52	33	3	7	6	2	7	4	8	12	11	15	9	1	
43	Causes Ill-defined or Unknown - - - - -	33	26	7	1	-	1	-	2	1	4	3	8	9	3	1	
ALL CAUSES		2191	1283	1211	315	105	42	29	93	116	176	233	381	536	386	82	

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—October 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	5	4	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	16	6	3	2	2	...	2	...	...
6	Whooping-cough	7	3	2	...	...	...	...	1	...
7	Diphtheria	20	10	1	...	1	...	...	...	1
8	Influenza	14	4	2	1	...	...	3	...	...
14 (1)	Cerebro-spinal Fever	6	3	...	...	...	1	...	...	...
14 (2)	Other Epidemic Diseases*	15	11	1	1	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	117	49	23	4	6	9	1	3	3
11	Other Tuberculous Diseases	36	24	3	1	2	...	...	2	...
14 (3)	Other Infectious and Parasitic Diseases	16	3	7	1	1	...	2	...	...
15	Cancer, Malignant Disease	329	131	70	26	25	13	10	7	4
18	Diabetes Mellitus	29	16	8	2	1	...	...	1	...
20	Oth. Gen. Diseases, Chronic Poisonings	68	25	19	6	2	2	2	4	1
22	Cerebral Hæmorrhage, &c.	243	97	52	21	16	5	7	7	3
23	Oth. Dis. of Nerv. Syst. and Sense Org.	53	19	11	3	6	...	2	2	3
24	Heart Disease	419	169	87	37	36	18	6	8	4
25	Other Circulatory Diseases	50	21	11	5	5	1	3	1	1
26	Bronchitis	102	51	14	3	4	6	4	...	...
27	Pneumonia (all forms)	178	95	19	16	7	5	2	3	2
28	Other Respiratory Diseases	43	15	10	3	1	1	1	6	...
32 (1)	Gastric and Duodenal Ulcer	15	7	5	1	1	...	...	...	...
29	Diarrhœa, &c. (all Ages)	127	84	4	5	5	7	8	2	4
30	Appendicitis	18	7	5	1	1	3	...	1	...
31 (1)	Cirrhosis of Liver	5	3	1	...	...	1	...	...	...
31 (2)	Other Diseases of Liver, &c.	11	2	2	3	1	1	1	...	1
32 (2)	Other Digestive Diseases	42	23	7	1	3	1	1	1	3
33	Acute and Chronic Nephritis	74	35	15	6	2	2	4	...	3
34	Oth. Diseases of Genito-Urinary System	36	18	7	...	5	1	2	...	...
35	Puerperal Sepsis	7	5	1	1	...	...	...	...	...
36	Other Puerperal Causes	13	4	3	3	1	1	...	...	...
37	Dis. of Skin, and of Locomotor System	22	9	5	2	...	1	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	136	56	24	12	6	6	4	5	9
39	Old Age	81	27	9	6	12	1	5	1	...
40	Suicide	23	2	5	5	5	...	1	...	...
42	Other Violence	85	43	13	8	4	2	2	3	...
43	Causes Ill-defined or Unknown ...	33	21	...	2	2	...	4	1	...
All Causes ...		2494	1102	449	188	163	88	78	59	3
AGE AT DEATH.										
Under 1		315	174	33	19	15	14	12	7	...
1- 4		105	49	12	7	10	2	5	3	...
5- 9		42	19	6	5	4	...	...	1	...
10-14		29	13	3	4	2	...	1	1	...
15-24		93	40	16	8	7	5	3	2	...
25-34		116	62	16	3	2	7	3	3	...
35-44		176	85	26	14	13	6	5	7	...
45-54		233	108	45	11	13	10	11	5	...
55-64		381	170	83	26	14	17	7	10	...
65-74		536	211	100	48	46	15	14	16	11
75-84		386	146	87	35	29	11	13	3	...
85 and over		82	25	22	8	8	1	4	1	...
Not stated ... ..		...	...	...	...	...	...	...	...	...
All Ages ...		2494	1102	449	188	163	88	78	59	3

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—October 1933—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	1	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	1	...	...	...	...
6	Whooping-cough ... ..	...	...	...	...	1	...	...	...
7	Diphtheria	1	...	...	2	1	1	...	2
8	Influenza... ..	1	...	1	1	...	...	1	...
14 (1)	Cerebro-spinal Fever ... ..	...	2	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	...	1	...	...	1	...	...	...
10	Tuberculosis of Respiratory System ...	3	4	5	...	1	4	1	1
11	Other Tuberculous Diseases	1	1	...	1	1	...	...	...
14 (3)	Other Infectious and Parasitic Diseases	...	1	...	1	...	...	...	...
15	Cancer, Malignant Disease	6	4	4	4	5	4	11	5
18	Diabetes Mellitus ... ..	...	...	...	...	...	...	...	1
20	Oth. Gen. Diseases, Chronic Poisonings	1	...	1	1	2	...	1	1
22	Cerebral Hæmorrhage, &c.	4	6	8	...	5	3	3	6
23	Oth. Dis. of Nerv. Syst. and Sense Org.	1	1	...	...	...	3	1	1
24	Heart Disease	11	8	5	6	7	4	7	6
25	Other Circulatory Diseases ... ..	...	...	1	...	1	...	...	...
26	Bronchitis	3	2	3	4	3	1	3	1
27	Pneumonia (all forms)	2	7	4	2	4	4	1	5
28	Other Respiratory Diseases	1	...	...	2	1	...	1	1
32 (1)	Gastric and Duodenal Ulcer ... ..	...	1	...	...	...	...	...	...
29	Diarrhœa, &c. (all Ages)	1	2	1	2	...	...	...	2
30	Appendicitis ... ..	...	...	...	...	...	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	...	...	...	...
32 (2)	Other Digestive Diseases ... ..	...	...	...	...	...	1	1	...
33	Acute and Chronic Nephritis	2	...	...	1	2	1	1	...
34	Oth. Diseases of Genito-Urinary System	1	2	...	...	...	...	...	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes	1	...	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	4	...	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	4	5	1	3	6	1	1	...
39	Old Age	4	3	...	2	4	...	3	3
40	Suicide ... ..	...	...	2	...	...	...	1	2
42	Other Violence	2	1	...	...	1	1	2	2
43	Causes Ill-defined or Unknown ...	1	...	...	...	1	1	...	...
	All Causes	55	51	37	33	47	29	39	39
	AGE AT DEATH.								
	Under 1	6	10	3	6	7	1	1	2
	1-4 ... ..	...	5	1	4	1	2	2	1
	5-9	1	...	...	1	1	...	...	2
	10-14	1	1	...	...	1	...	1	...
	15-24	3	3	...	...	...	2	1	...
	25-34	5	3	2	1	1	4	2	1
	35-44	3	1	3	...	...	4	1	6
	45-54	3	8	3	...	4	2	5	3
	55-64	6	6	8	6	7	5	6	4
	65-74	16	8	11	4	11	3	15	7
	75-84	10	6	6	10	8	6	4	9
	85 and over	1	...	...	1	6	...	1	4
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	55	51	37	33	47	29	39	39

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of OCTOBER 1933.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.				HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS														
	Height of Barometer above Sea-level.	Mean at Station-level and 32.	Mean of	Absolute Maximum and Minimum.			Mean at 9 A.M. and 9 P.M.	Humidity.	Difference from Average.	Total Fall.	Number of Days.	Number of Observations at 9 A.M. and 9 P.M.															
				Maximum (A.)	Minimum (B.)	Day of Month.						Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	per cent.	inch.	inch.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.708	29.861	54.5	45.6	50.1	+2.7	62	5th	35	28th	49.9	2.8	inch.	2.42	-0.98	4	10	12	0	6	6	14	4	6		
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.400	29.882	53.3	44.2	48.7	+1.3	63	4th	33	28th	48.1	2.8	inch.	2.25	-0.49	7	4	4	2	5	10	15	4	11		
DUNDEE, College Gardens.	147	29.660	29.840	54.6	44.3	49.5	+1.9	67	4th	35	28th	49.5	2.5	inch.	3.81	+1.15	10	8	12	2	2	8	18	2	0		
ABERDEEN,* The Meteorological Office.	90	29.720	29.821	53.4	44.1	48.7	+1.4	65	4th	33	27th	48.7	2.4	inch.	4.71	+1.71	6	4	5	4	8	5	7	10	13		
PAISLEY, John Woodrow, The Coats Observatory.	107	29.748	29.867	55.0	45.1	50.1	+1.7	65	4th	34	3, 31	49.3	2.1	inch.	2.61	-1.13	3	4	7	2	6	9	13	9	9		
GREENOCK,† J. Macalister, M.Inst. C.E., Greenock Waterworks.	233	29.610	29.867	54.6	45.7	50.1	+2.6	63	8th	35	28th	49.1	2.2	inch.	3.18	-2.20	4	4	11	0	9	7	16	10	1		
PERTH,† J. Ritchie, The Museum.	22	29.824	29.848	55.5	42.5	49.0	+2.6	68	4th	34	3, 28	48.4	2.0	inch.	3.29	+0.34	2	8	5	6	1	26	4	10	0		
Means	168	29.667	29.855	54.4	44.5	49.5	+2.0	66	..	..	..	49.0	2.4	inch.	3.18	-0.23	5	6	8	2	5	10	13	7	6

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 86'.

* At 7 A.M. and 6 P.M. † At 9 A.M. only.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

NOVEMBER 1933.

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REPORT

During the month of November 1933 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births of 3,441 living children, of whom 1,812 were males and 1,629 were females. Compared with the number in the previous month, births of male children are 18 fewer, of female children 28 fewer, and of children of both sexes 46 fewer. The monthly birth-rate in these towns taken collectively was 16·7 per thousand. This rate is 0·3 more than that for the previous month, but is 1·9 below the average.

In the individual towns the monthly birth-rate ranged from 22·5 in Coatbridge, 20·5 in Hamilton, and 19·4 in Motherwell and Wishaw, to 12·6 in Dundee, 13·1 in Ayr, and 13·4 in Perth. In Paisley it was 19·0, in Greenock 18·9, in Glasgow 18·0, in Aberdeen 16·9, in Falkirk 16·6, in Kilmarnock 16·4, in Clydebank 16·0, in Dunfermline 15·5, in Kirkcaldy 14·3, and in Edinburgh 14·0.

Of the 3,441 living children whose births were registered during the month, 3,240 or 94·2 per cent. were legitimate, while 201 or 5·8 per cent. were illegitimate. The legitimate children numbered 47 fewer than in the previous month, but the illegitimate children 1 more. The illegitimate rate for the month is 0·1 above that for the previous month. In the individual towns it ranged from 7·7 in Kilmarnock, 7·7 in Perth, and 7·6 in Motherwell and Wishaw, to 2·0 in Falkirk, 3·7 in Coatbridge, and 4·6 in Aberdeen.

Marriages registered during the month numbered 1,187 and are 574 fewer than in the previous month. The marriage rate, 5·8 per thousand, is 2·5 below that for the previous month and 0·4 below the average. In the individual towns it ranged from 10·0 in Perth, 7·4 in Aberdeen, and 7·1 in Dunfermline, to 2·5 in Clydebank, 3·7 in Motherwell and Wishaw, and 4·1 in Kirkcaldy.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

EDINBURGH

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Deaths registered in these towns during the month numbered 2,917 and are 188 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,685, of whom 1,381 were males and 1,304 were females. The corrected number is 191 more than in the previous month, males being 98 more and females 93 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 13·0 per thousand, being 1·3 above that for the previous month, but 0·2 below the average. In the towns taken individually the death-rate ranged from 15·9 in Perth, 14·7 in Ayr, and 14·0 in Motherwell and Wishaw, to 10·2 in Clydebank, 11·2 in Aberdeen, and 11·3 in Dundee. In Greenock it was 13·9, in Hamilton 13·9, in Edinburgh 13·5, in Dunfermline 13·5, in Kirkcaldy 13·4, in Glasgow 13·3, in Coatbridge 12·8, in Paisley 12·7, in Kilmarnock 12·3, and in Falkirk 11·4.

Deaths of children of less than one year old numbered 285, and equalled an infantile mortality rate of 76 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 30 fewer than in the previous month, while the rate is 5 less than in that month and 14 below the average. In the individual towns this rate ranged from 130 in Ayr, 109 in Kirkcaldy, 99 in Motherwell and Wishaw, and 99 in Hamilton, to 36 in Coatbridge, 46 in Edinburgh, and 47 in Kilmarnock. In Falkirk it was 94, in Glasgow 84, in Aberdeen 84, in Dundee 75, in Greenock 74, in Perth 71, in Clydebank 69, in Dunfermline 64, and in Paisley 63.

Deaths from the principal epidemic diseases numbered 123, and equalled a death-rate of 0·6 per thousand. These deaths are 40 more than in the previous month, and the rate is 0·2 more. They include 1 from typhoid fever, none from measles, 30 from scarlet fever, 6 from whooping-cough, 20 from diphtheria, 33 from influenza, 7 from cerebro-spinal fever, and 26 from other epidemic diseases, 19 of which were ascribed to erysipelas, 6 to lethargic encephalitis, and 1 to acute poliomyelitis. Compared with the number in the previous month deaths from influenza are 19 more, from scarlet fever 14 more, from other epidemic diseases 11 more, and from cerebro-spinal fever 1 more, but those from diphtheria number the same, while from whooping-cough they are 1 fewer, and from typhoid fever 4 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 369, and equalled a death-rate of 1·8 per thousand. Compared with the number in the previous month these deaths are 46 more, while the rate is 0·3 more, but is 0·6 below the average.

Deaths from all forms of tuberculosis numbered 187, of which 156 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 34 more, and those from respiratory tuberculosis 39 more. Compared with the average the former are 12 more and the latter 25 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

NOVEMBER 1933.

Mean barometric pressure, 29·952 in. ; greater than the average of 1881-1915 by 0·131 in.

Mean temperature, 42°·1 F. ; less by 0°·2 F.

Mean daily range of temperature, 8°·8 F. ; less by 0°·9 F.

Rain, depth in inches, 2·38; less by 1·15 in.

Wind, direction of:—a three days' excess of winds from between east and south-east.

Squally north-westerly winds in the rear of a depression over the North Sea persisted until the 3rd, reaching gale force in a few places. As this depression moved away and an anticyclone spread in from the Atlantic, wind, though continuing from a northerly point, moderated and brought unusually warm air round the anticyclone. Secondary depressions caused unsettled weather from the 8th to 13th; after that an active depression moving southward along the western seaboard of these Islands caused strong south-easterly winds in Scotland and in some places gales; until about 19th winds were mainly from some easterly point. Quiet conditions, with in many places fog, followed for some days. Weather near the end of the month was mainly influenced by a high pressure over Scandinavia which caused for the most part southerly or easterly winds. At Edinburgh the extremes of pressure were 30·30 in. on 3rd and 29·31 in. on 15th.

For the first month since January the mean temperature fell below normal, though only slightly. Unusually high temperatures were experienced in Scotland on 6th in consequence of an influx of warm air, 67° F. being reached at Arbroath, 64° F. at Perth, 63° F. at Crieff, Montrose and Stonehaven. Round the anticyclone which built up over Scandinavia about the 25th cold north-easterly winds set in causing a considerable fall of temperature over the British Isles. In most places in Scotland the lowest screen temperatures of the month were recorded about the 26th, in particular 19° F. at Balmoral, Thorntonhall and West Linton, 20° F. at Abbotsinch and Kilmarnock. The temperature on the grass fell to about or below 15° F. at several places at this period. A rather less cold period occurred round the 12th.

Over an area embracing Montrose, Aberdeen and Deeside, rain was some 10 per cent. above normal, but over all the rest of Scotland there was a more or less marked deficiency. A few places in the west and north-west appear to have had as little as one-third of the normal fall; whilst Lanark and south-western Scotland had about half the normal amount. Some heavy falls however occurred around 14th, 2·12 ins. at Garelochhead, 2·07 ins. at Inverchaolin, Argyll, 1·98 in. at Glenbranter, 1·80 in. at Toward and West Kilbride.

Thunder occurred locally on 1 day. Snow or sleet was reported on 13 days, mainly about 1st-3rd, 17th-18th and 26th; on 18th snow lay to a depth of 1 inch at Balmoral. Gales were reported from some place or another on 10 days, namely 1st, 2nd, 13th-15th, 18th-20th, 29th and 30th.

Sunshine aggregates were deficient, especially in the east, but above normal in the extreme north and north-west.

Aurora was observed on the nights of 8th, 9th, 11th, 17th and 22nd.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 88.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, NOVEMBER 1933.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Enumerated at Census 1931.	Estimated to middle of 1933.	Males.	Females.	Total.	Legitimate.	Illegitimate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW,	1,088,524	1,111,600	854	737	1641	1550	91	509	715	618	1333	139	24	1218
EDINBURGH,	439,010	451,900	284	237	521	483	38	259	273	297	570	83	14	501
DUNDEE,	175,681	177,500	106	78	184	172	12	63	93	82	175	18	8	165
ABERDEEN,	167,258	170,900	125	113	238	227	11	104	99	89	188	40	9	157
PAISLEY,	86,445	88,300	82	56	138	130	8	35	52	45	97	10	5	92
GREENOCK,	78,949	79,700	53	71	124	117	7	35	54	41	95	4	0	91
MOTHERWELL AND WISHAW,	64,710	65,900	57	48	105	97	8	20	39	29	68	0	8	76
CLYDEBANK,	46,952	48,700	31	33	64	61	3	10	7	18	25	0	16	41
KIRKCALDY,	43,874	44,400	23	29	52	49	3	15	17	30	47	2	4	49
COATBRIDGE,	43,056	43,700	39	42	81	78	3	16	26	14	40	1	7	46
KILMARNOCK,	38,100	38,600	32	20	52	48	4	15	21	21	42	9	6	39
HAMILTON,	37,862	38,500	41	24	65	61	4	20	23	12	35	1	10	44
AYR,	36,783	37,200	21	19	40	38	2	15	28	29	57	17	5	45
FALKIRK,	36,566	37,300	27	24	51	50	1	21	23	19	42	7	0	35
DUNFERMLINE,	35,058	36,100	22	24	46	43	3	21	24	23	47	8	1	40
PERTH,	34,807	35,300	15	24	39	36	3	29	25	31	56	10	0	46
TOTAL (SIXTEEN TOWNS)	2,453,635	2,505,600	1812	1629	3441	3240	201	1187	1519	1398	2917	349	117	2685

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, NOVEMBER 1933.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		†Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, .	18·0	5·5	5·6	14·6	13·3	0·7	1·1	0·9	1·9	143	84	
EDINBURGH, .	14·0	7·3	7·0	15·3	13·5	0·4	0·6	0·5	2·0	26	46	
DUNDEE, . .	12·6	6·5	4·3	12·0	11·3	0·3	0·8	0·6	1·6	19	75	
ABERDEEN, .	16·9	4·6	7·4	13·4	11·2	0·3	0·4	0·3	1·0	21	84	
PAISLEY, . .	19·0	5·8	4·8	13·4	12·7	1·1	1·0	0·8	1·8	8	63	
GREENOCK, .	18·9	5·6	5·3	14·5	13·9	0·9	0·9	0·9	0·9	10	74	
MOTHERWELL AND WISHAW,	19·4	7·6	3·7	12·6	14·0	0·6	0·9	0·7	2·4	11	99	
CLYDEBANK, .	16·0	4·7	2·5	6·2	10·2	0·0	1·2	1·0	1·5	5	69	
KIRKCALDY, .	14·3	5·8	4·1	12·9	13·4	0·5	0·3	0·3	1·1	6	109	
COATBRIDGE, .	22·5	3·7	4·4	11·1	12·8	0·8	1·4	1·4	0·8	3	36	
KILMARNOCK,	16·4	7·7	4·7	13·2	12·3	0·3	0·0	0·0	1·9	3	47	
HAMILTON, .	20·5	6·2	6·3	11·0	13·9	0·6	1·6	1·3	2·8	7	99	
AYR,	13·1	5·0	4·9	18·7	14·7	1·0	1·0	0·7	1·3	7	130	
FALKIRK, . .	16·6	2·0	6·8	13·7	11·4	0·0	1·6	1·3	2·3	5	94	
DUNFERMLINE,	15·5	6·5	7·1	15·9	13·5	1·3	0·7	0·7	1·3	8	64	
PERTH, . . .	13·4	7·7	10·0	19·3	15·9	0·3	0·7	0·3	1·7	3	71	
TOTAL . . . (SIXTEEN TOWNS)	16·7	5·8	5·8	14·2	13·0	0·6	0·9	0·8	1·8	235	76	

* Based on the average number of births registered monthly during the past 12 months.
† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR NOVEMBER 1933, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					* Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
NOV. 1933.	16·7	5·8	5·8	13·0	1	0	30	6	20	33	7	26	76	42°·1
NOV. 1932.	17·7	6·7	6·1	13·7	1	0	14	28	17	30	7	7	92	42°·1
NOV. 1931.	18·3	5·8	7·0	13·2	1	125	20	14	21	15	14	18	85	45°·2
NOV. 1930.	18·3	6·1	6·1	13·2	2	11	5	23	19	34	11	19	97	40°·5
NOV. 1929.	18·6	6·2	5·9	12·8	0	24	4	15	30	35	7	9	78	42°·6
NOV. 1928.	19·9	6·4	5·8	13·2	1	3	6	12	21	42	8	18	98	44°·3
NOV. 1927.	19·5	6·5	6·2	14·4	1	81	15	17	34	32	8	11	119	42°·3
NOV. 1926.	21·2	5·5	6·2	15·5	3	5	11	8	28	35	4	14	111	40°·9
NOV. 1925.	21·4	5·9	6·6	16·1	2	35	21	18	40	53	5	23	126	37°·8
NOV. 1924.	21·1	6·8	6·2	15·1	0	60	29	77	29	71	3	13	103	44°·2
NOV. 1923.	22·8	5·8	5·6	13·5	3	119	16	35	37	18	7	6	73	38°·1

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—November 1933.

tern'l hort List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over		
1	Typhoid Fever (including Paratyphoid) -	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
4	Measles -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever -	30	15	15	2	11	10	3	2	1	-	1	-	-	-	-	-	
6	Whooping-cough -	6	2	4	4	2	-	-	-	-	-	-	-	-	-	-	-	
7	Diphtheria -	20	9	11	-	10	7	2	1	-	-	-	-	-	-	-	-	
8	Influenza -	33	12	21	1	-	-	-	4	4	3	3	8	5	3	2	-	
14 (1)	Cerebro-spinal Fever -	-	5	2	3	1	-	-	1	1	-	1	-	-	-	-	-	
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	26	10	16	5	-	-	-	1	1	2	4	4	7	2	-	-	
10	Tuberculosis of Respiratory System -	156	93	63	-	1	1	2	34	37	33	21	19	8	-	-	-	
11	Other Tuberculous Diseases -	31	15	16	2	5	5	3	8	2	2	1	2	-	1	-	-	
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	14	8	6	2	1	-	-	-	-	2	4	5	-	-	-	-	
15	Cancer, Malignant Disease -	342	156	186	-	1	-	-	4	6	19	61	93	102	45	11	-	
18	Diabetes Mellitus -	34	10	24	-	-	-	-	2	-	1	4	10	14	8	-	-	
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	65	31	34	4	1	2	4	3	5	7	8	8	18	4	1	-	
22	Cerebral Hæmorrhage, &c. -	280	123	157	-	-	-	-	-	3	5	24	64	109	62	13	-	
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	66	37	29	12	5	1	3	4	5	6	8	13	6	3	-	-	
24	Heart Disease -	480	244	236	-	-	4	7	9	13	19	45	111	144	112	16	-	
25	Other Circulatory Diseases -	55	38	17	-	-	-	-	-	-	-	7	12	11	18	7	-	
26	Bronchitis -	134	69	65	4	1	-	-	1	2	3	14	24	45	34	6	-	
27	Pneumonia (all forms) -	202	121	81	33	20	5	1	6	12	14	28	40	20	20	3	-	
28	Other Respiratory Diseases -	33	17	16	-	1	2	-	2	2	-	4	6	7	6	3	-	
32 (1)	Gastric and Duodenal Ulcer -	18	12	6	-	-	-	-	-	2	2	4	5	4	1	-	-	
29	Diarrhœa, &c. (all ages) -	55	30	25	42	10	1	-	-	1	-	1	-	-	-	-	-	
30	Appendicitis -	19	11	8	-	1	-	-	1	3	2	3	4	2	3	-	-	
31 (1)	Cirrhosis of Liver -	5	4	1	-	-	-	-	-	1	-	3	1	-	-	-	-	
31 (2)	Other Diseases of Liver, &c. -	21	8	13	-	-	-	-	1	1	-	2	4	11	2	-	-	
32 (2)	Other Digestive Diseases -	48	27	21	10	5	2	-	3	1	1	3	6	12	4	1	-	
33	Acute and Chronic Nephritis -	74	34	40	1	1	-	2	4	3	2	11	19	23	8	-	-	
34	Other Dis. of Genito-Urinary System -	39	25	14	3	1	-	-	1	3	2	4	5	11	9	-	-	
35	Puerperal Sepsis -	9	-	9	-	-	-	-	2	4	3	-	-	-	-	-	-	
36	Other Puerperal Causes -	14	-	14	-	-	-	-	2	5	6	1	-	-	-	-	-	
37	Diseases of Skin and Locomotor System -	19	13	6	3	3	1	3	-	-	1	1	5	1	1	-	-	
38	Congen. Debil., Prem. Birth, Malform., &c. -	153	99	54	149	3	1	-	-	-	-	-	-	-	-	-	-	
39	Old Age -	69	24	45	-	-	-	-	-	-	-	-	-	10	34	25	-	
40	Suicide -	21	16	5	-	-	-	-	2	3	4	5	5	2	-	-	-	
42	Other Violence (41) -	66	41	25	3	7	9	2	6	9	4	5	7	8	5	1	-	
43	Causes ill-defined or Unknown -	40	22	18	1	2	3	-	-	-	3	2	14	10	5	-	-	
ALL CAUSES		2685	1381	1304	235	93	54	32	104	129	147	280	496	591	385	89	-	

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—November 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	1	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	30	13	5	3	2	3	1	...	...
6	Whooping-cough	6	4	...	...	1	...	...	...	...
7	Diphtheria	20	9	3	1	1	2	...	...	...
8	Influenza	33	19	5	...	...	1	3	2	...
14 (1)	Cerebro-spinal Fever	7	5	1	...	...	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	26	15	1	1	...	1	2	1	...
10	Tuberculosis of Respiratory System ...	156	84	20	9	4	6	6	4	...
11	Other Tuberculous Diseases	31	16	4	2	2	1	...	1	...
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	14	3	6	2	...	...	...	...	...
15	Cancer, Malignant Disease	342	149	76	20	20	11	8	8	...
18	Diabetes Mellitus	34	15	6	1	4	...	1	3	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	65	24	14	3	2	3	2	4	...
22	Cerebral Hæmorrhage, &c.	280	122	52	21	22	5	15	6	...
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	66	32	14	3	2	1	2	3	...
24	Heart Disease	480	194	104	29	24	20	23	10	...
25	Other Circulatory Diseases	55	28	12	3	1	1	3	1	...
26	Bronchitis	134	63	30	4	5	6	3	7	...
27	Pneumonia (all forms)	202	101	32	18	8	6	3	6	...
28	Other Respiratory Diseases	33	14	11	2	1	1	...	...	...
32 (1)	Gastric and Duodenal Ulcer	18	6	5	3	2	...	...	1	...
29	Diarrhœa, &c. (all Ages)	55	39	2	...	1	1	1	2	...
30	Appendicitis	19	5	3	2	4	1	...	1	...
31 (1)	Cirrhosis of Liver	5	1	...	1	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	21	8	7	1	2	...	...	...	...
32 (2)	Other Digestive Diseases	48	21	8	1	3	4	4	1	...
33	Acute and Chronic Nephritis	74	26	13	6	9	6	2	2	...
34	Oth. Diseases of Genito-Urinary System	39	16	8	2	5	...	1	...	...
35	Puerperal Sepsis	9	7	...	...	1	...	...	...	...
36	Other Puerperal Causes	14	7	2	2	1	...	...	1	...
37	Dis. of Skin, and of Locomotor System	19	11	3	...	1	...	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	153	70	13	12	16	5	6	9	...
39	Old Age	69	22	21	6	3	2	2	2	...
40	Suicide	21	8	6	3	3	...	...	...	...
42	Other Violence (41)	66	30	14	4	5	2	...	1	...
43	Causes Ill-defined or Unknown ...	40	30	...	...	1	2	2	...	...
	All Causes ...	2685	1218	501	165	157	92	91	76	4
	AGE AT DEATH.									
	Under 1	285	148	26	19	21	8	10	11	...
	1-4	93	51	11	4	5	5	4	2	...
	5-9	54	26	7	3	1	3	...	2	...
	10-14	32	18	5	2	1	2	1	2	...
	15-24	104	50	13	10	3	4	3	3	...
	25-34	129	67	13	9	10	6	3	2	...
	35-44	147	68	25	8	10	2	4	4	...
	45-54	280	125	61	18	10	9	12	12	...
	55-64	496	242	82	28	28	17	18	14	...
	65-74	591	241	138	35	33	22	19	15	1
	75-84	385	149	97	22	28	14	12	7	...
	85 and over	89	33	23	7	7	...	5	2	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages ...	2685	1218	501	165	157	92	91	76	...

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—November 1933—*continued*.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	1	...	...	...	2	...
6	Whooping-cough ... ..	...	...	...	...	1	...	...	...
7	Diphtheria ... ..	...	1	...	2	1	...	...	...
8	Influenza... ..	1	2	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	1	...	...	...	1	...	2	1
10	Tuberculosis of Respiratory System	1	5	...	4	2	4	2	1
11	Other Tuberculous Diseases	...	...	...	1	1	1	...	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	1	...	...
15	Cancer, Malignant Disease	11	2	8	8	3	4	5	4
18	Diabetes Mellitus ... ..	...	...	1	...	...	1	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	3	2	1	...	...	2	2	...
22	Cerebral Hæmorrhage, &c.	5	4	2	4	7	1	3	6
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	2	5	1	...	...	1	...
24	Heart Disease	12	12	4	6	11	6	10	12
25	Other Circulatory Diseases	...	...	...	...	1	...	...	3
26	Bronchitis	3	2	2	3	1	2	1	1
27	Pneumonia (all forms)	1	1	1	6	3	5	2	4
28	Other Respiratory Diseases	...	...	3	...	...	...	1	...
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	...	...	...	...	...	...
29	Diarrhœa, &c. (all Ages)	1	1	...	...	3	1	1	1
30	Appendicitis ... ..	...	...	2	...	...	...	...	1
31 (1)	Cirrhosis of Liver ... ..	...	1	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	2	...	...	...	1	...
32 (2)	Other Digestive Diseases	...	1	...	2	...	1	...	1
33	Acute and Chronic Nephritis	4	1	1	1	...	1	1	1
34	Oth. Diseases of Genito-Urinary System	1	...	2	...	1	...	2	1
35	Puerperal Sepsis	1	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	...	1	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	2	...	...	1
38	Congenital Debility, Premature Birth, Malformations, &c.	3	1	3	3	3	2	3	2
39	Old Age ... ..	...	4	...	2	1	1	...	2
40	Suicide ... ..	...	...	...	...	1	...	...	...
42	Other Violence (41)	1	1	1	1	1	1	1	2
43	Causes Ill-defined or Unknown	...	3	...	...	1	...	...	1
	All Causes	49	46	39	44	45	35	40	46
	AGE AT DEATH.								
	Under 1	6	3	3	7	7	5	3	3
	1-4	1	2	1	1	2	1	2	1
	5-9 ... ..	...	2	2	2	2	1	3	...
	10-14 ... ..	...	1	...	...	...	...	...	...
	15-24	1	3	1	4	...	1	...	...
	25-34	1	3	4	2	4	3	1	1
	35-44	2	2	3	3	2	4	5	...
	45-54	4	6	6	3	3	1	2	4
	55-64	16	6	10	5	8	5	5	7
	65-74	11	11	6	11	8	7	13	11
	75-84	5	7	3	5	7	5	5	16
	85 and over	2	...	...	1	2	2	1	3
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	49	46	39	44	45	35	40	46

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of NOVEMBER 1933.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS											
	feet.	inch.	°	°	°	°	°	°	Absolute Maximum and Minimum.			Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.								
									Maximum.	Day of Month.	Minimum.								Day of Month.	N	NE	E	SE	S	SW	W	NW
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.798	29.954	46.5	37.7	42.1	-0.5	58	6th	24	26th	41.5	1.6	.223	86	16	1.65	-1.99	0	2	14	2	0	6	10	6	20
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.481	29.955	45.9	38.0	41.9	-0.3	53	6th	32	26, 30	41.4	1.8	.216	84	16	1.44	-0.80	4	2	8	9	2	6	16	5	8
DUNDEE, College Gardens.	147	29.763	29.946	46.8	38.3	42.5	+0.2	61	6th	29	12th	41.8	1.8	.226	84	20	2.37	-0.07	2	6	10	2	4	6	22	8	0
ABERDEEN,* The Meteorological Office.	90	29.842	29.944	47.0	39.9	43.5	+1.4	58	6th	27	12th	43.5	1.9	.230	84	19	3.24	+0.29	2	0	5	10	7	3	17	9	
PAISLEY, JOHN WOODROW, The Coats Observatory.	107	29.811	29.961	46.4	37.4	41.9	-1.1	60	6th	22	23th	41.2	1.3	.228	89	17	2.37	-1.81	1	7	7	8	4	5	12	3	13
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.709	29.970	46.6	38.5	42.5	-0.2	54	1, 6	29	23th	41.4	1.6	.223	86	14	3.35	-3.07	1	3	14	6	3	3	12	6	7
PERTH,† J. RITCHIE, The Museum.	22	29.913	29.937	46.2	33.9	40.1	-1.0	64	6th	24	25, 26	38.2	0.8	.210	92	17	2.25	-0.63	4	6	4	12	0	18	2	14	0
Means	163	29.764	29.952	46.5	37.7	42.1	-0.2	..	..	..	..	41.3	1.5	.222	86	17	2.38	-1.15	1	2	5	3	1	4	6	4	4

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 28'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.

At 9 A.M. only.

Library.
MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

DECEMBER 1933.

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REPORT

During the month of December 1933 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1931 census had populations of over 30,000, the births of 3,730 living children, of whom 1,951 were males and 1,779 were females. Compared with the number in the previous month, births of male children are 139 more, of female children 150 more, and of children of both sexes 289 more. The monthly birth-rate in these towns taken collectively was 17·5 per thousand. This rate is 0·8 more than that for the previous month, but is 1·6 below the average.

In the individual towns the monthly birth-rate ranged from 30·9 in Hamilton, 21·0 in Coatbridge, and 19·8 in Kilmarnock, to 13·1 in Dunfermline, 14·0 in Perth, and 14·1 in Kirkcaldy. In Glasgow the rate was 18·8, in Greenock 17·9, in Dundee 17·8, in Clydebank 17·6, in Motherwell and Wishaw 17·3, in Aberdeen 16·6, in Falkirk 16·4, in Paisley 16·1, in Edinburgh 14·4, and in Ayr 14·3.

Of the 3,730 living children whose births were registered during the month, 3,482 or 93·4 per cent. were legitimate, while 248 or 6·6 per cent. were illegitimate. The legitimate children numbered 242 more than in the previous month, and the illegitimate children 47 more. The illegitimate rate for the month is 0·8 above that for the previous month. In the individual towns it ranged from 13·8 in Kilmarnock, 8·7 in Aberdeen, and 8·6 in Dundee, to 1·7 in Greenock, 3·8 in Kirkcaldy, and 4·1 in Paisley.

Marriages registered during the month numbered 1,937 and are 750 more than in the previous month. The marriage-rate, 9·1 per thousand, is 3·3 above that for the previous month, but 0·6 below the average. In the individual towns it ranged from 13·0 in Perth, 11·9 in Kilmarnock, and 11·6 in Aberdeen, to 5·7 in Coatbridge, 6·7 in Hamilton, and 6·8 in Paisley.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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Deaths registered in these towns during the month numbered 3,344 and are 427 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3,104, of whom 1,598 were males and 1,506 were females. The corrected number is 419 more than in the previous month, males being 217 more and females 202 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 14·6 per thousand, being 1·6 above that for the previous month, but 0·8 below the average. In the towns taken individually the death-rate ranged from 18·0 in Hamilton, 15·9 in Coatbridge, and 15·5 in Glasgow, to 11·0 in Kilmarnock, 11·1 in Motherwell and Wishaw, and 11·4 in Aberdeen. In Greenock it was 15·1, in Edinburgh 14·9, in Ayr 14·9, in Dundee 14·0, in Perth, 14·0, in Paisley 13·7, in Dunfermline 13·7, in Falkirk 13·6, in Clydebank 12·8, and in Kirkcaldy 12·2.

Deaths of children of less than one year old numbered 353, and equalled an infantile mortality rate of 91 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths are 68 more than in the previous month, while the rate is 15 more than in that month but 20 below the average. In the individual towns this rate ranged from 160 in Hamilton, 122 in Dundee, and 108 in Greenock, to 14 in Clydebank, 43 in Dunfermline, and 53 in Kirkcaldy. In Glasgow it was 95, in Coatbridge 92, in Motherwell and Wishaw 89, in Ayr 89, in Edinburgh 88, in Aberdeen 82, in Paisley 76, in Falkirk 74, in Perth 70, and in Kilmarnock 61.

Deaths from the principal epidemic diseases numbered 122 and equalled a death-rate of 0·6 per thousand. These deaths are 1 fewer than in the previous month, but the rate is the same. They include none from typhoid fever, none from measles, 24 from scarlet fever, 14 from whooping-cough, 13 from diphtheria, 40 from influenza, 10 from cerebro-spinal fever, and 21 from other epidemic diseases, 16 of which were ascribed to erysipelas, 4 to lethargic encephalitis, and 1 to dysentery. Compared with the number in the previous month deaths from whooping-cough are 8 more, from influenza 7 more, and from cerebro-spinal fever 3 more, but those from other epidemic diseases are 5 fewer, from scarlet fever 6 fewer, and from diphtheria 7 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 607, and equalled a death-rate of 2·9 per thousand. Compared with the number in the previous month these deaths are 238 more, while the rate is 1·1 more, but is 0·5 below the average.

Deaths from all forms of tuberculosis numbered 197, of which 157 were attributed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 10 more, and those from respiratory tuberculosis 1 more. Compared with the average the former are 12 fewer and the latter 1 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

DECEMBER 1933.

Mean barometric pressure, 30·169 in. ; greater than the average of 1881-1915 by 0·427 in.

Mean temperature, 38°·9 F. ; equal to the average.

Mean daily range of temperature, 7°·4 F. ; less by 1°·5 F.

Rain, depth in inches, 1·10 ; less by 2·98 in.

Wind, direction of:—a five days' excess of winds from between N.E and S.E.

On 1st-2nd a trough of low pressure moved across western districts with gales and rain. Afterwards the anticyclone from Scandinavia spread east to the Faroes by 5th-6th and gave mainly dry cold conditions with E. to S. E. winds, except in the extreme west and north, where milder conditions and scattered showers were experienced. On 7th a trough moving south across the country caused a brief break in these conditions, but afterwards another centre of high pressure moved from Norway to Scotland and finally westwards to the Atlantic, giving light winds, mainly fine weather and night frosts for some four days. On 12th a depression, moving from Iceland to the Bay of Biscay, caused rain or snow showers in places. A high pressure lying over the Atlantic to westward of the British Isles caused winds thereafter to be for the most part from between W. and N. until 16th. This high pressure afterwards moved over England, and though conditions were quiet over southern Scotland, the western and northern districts were subjected to a rather strong south-westerly circulation rising to gale force on 22nd. Towards the end of the month low pressure on the Atlantic again caused stronger winds from between S.W. and S.E. At Edinburgh the extremes of pressure were 30·84 in. on 3rd (the highest in December since 1926) and 29·29 in. on 28th. Mean temperature was exactly equal to the normal for the month. The highest temperatures experienced were mostly on 22nd, with the influx of warm air from the Atlantic, when Forres recorded 55° F., Gordon Castle, Fortrose and Nairn 54° F., whilst stations in northern and western coastal districts reached 53° F. The lowest temperatures of the month occurred mostly on 10th or 11th, 13° F. at Dalwhinnie, 17° F. at Braemar and Abbotsinch, and 19° F. at Colmonell and Balmoral. The temperature on the grass fell on the 9th to 10° F. at Dalwhinnie, on the 10th to 12° F. at Braemar and on 14th at Dalwhinnie, a number of other places recording temperatures of 16° F. or lower.

Ground frosts were frequent, being reported from some place or another on all nights, except 21st, 22nd and 23rd. Rainfall was everywhere very deficient, most places having less than 50% of the normal fall, and many places, especially in the Highlands, had less than 20% of normal. In a narrow area along the east coast the deficiency was relatively less, the total fall being about 60% of normal. In the Moray Firth district the month has probably been the driest December for over 60 years. Heavy falls were few and were confined to the last few days of the month ; a few places in western districts had falls of just over one inch on 29th or 31st.

No thunder was reported during the month. Snow or sleet was reported on 13 days, mainly around 1st, 11th-13th and 28th-30th, but falls were only slight. Gales were reported from some place or another on 8 days, mainly around 1st, 22nd and 29th-30th. Fog was frequent, being reported from some place or another on all days except 5th, 13th, 22nd-24th and 26th.

In the east sunshine aggregates were deficient, but in the north and west they were above normal.

Aurora was observed on the nights of 4th, 9th, 10th, 11th, 16th and 18th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 96.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, DECEMBER 1933.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Enumerated at Census 1931.	Estimated to middle of 1933.	Males.	Females.	Total.	Legitimate.	Illegitimate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,088,524	1,111,600	934	844	1778	1658	120	845	859	722	1581	158	41	1464
EDINBURGH, . .	439,010	451,900	288	266	554	520	34	359	298	336	634	79	15	570
DUNDEE, . . .	175,631	177,500	139	130	269	246	23	111	103	115	218	17	10	211
ABERDEEN, . .	167,258	170,900	123	118	241	220	21	169	103	95	198	43	10	165
PAISLEY, . . .	86,445	88,300	63	58	121	116	5	51	63	47	110	10	3	103
GREENOCK, . .	78,949	79,700	70	51	121	119	2	64	50	47	97	2	7	102
MOTHERWELL AND WISHAW, .	64,710	65,900	47	50	97	92	5	55	35	18	53	1	10	62
CLYDEBANK, . .	46,952	48,700	31	42	73	68	5	41	17	24	41	1	13	53
KIRKCALDY, . .	43,874	44,400	28	25	53	51	2	30	18	26	44	2	4	46
COATBRIDGE, . .	43,056	43,700	42	36	78	72	6	21	25	28	53	1	7	59
KILMARNOCK, . .	38,100	38,600	36	29	65	56	9	39	22	23	45	10	1	36
HAMILTON, . . .	37,862	38,500	51	50	101	96	5	22	34	17	51	3	11	59
AYR,	86,783	37,200	25	20	45	43	2	34	27	36	63	19	3	47
FALKIRK, . . .	36,566	37,300	30	22	52	48	4	26	29	21	50	8	1	43
DUNFERMLINE, .	85,058	36,100	23	17	40	38	2	31	29	26	55	15	2	42
PERTH,	84,807	35,300	21	21	42	39	3	29	21	30	51	15	6	42
TOTAL (SIXTEEN TOWNS)	2,453,635	2,505,600	1951	1779	3730	3482	248	1937	1733	1611	3344	384	144	3104

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, DECEMBER 1933.

TOWNS.	Birth-Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		†Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, .	18·8	6·7	9·0	16·7	15·5	0·5	1·2	1·0	3·5	172	95	
EDINBURGH, .	14·4	6·1	9·4	16·5	14·9	0·5	0·8	0·7	2·7	51	88	
DUNDEE, . .	17·8	8·6	7·4	14·5	14·0	0·6	0·7	0·5	2·8	32	122	
ABERDEEN, .	16·6	8·7	11·6	13·6	11·4	0·3	0·4	0·3	1·5	21	82	
PAISLEY, . .	16·1	4·1	6·8	14·7	13·7	0·9	0·8	0·7	2·4	10	76	
GREENOCK, .	17·9	1·7	9·5	14·3	15·1	0·4	0·9	0·3	2·1	15	108	
MOTHERWELL AND WISHAW,	17·3	5·2	9·8	9·5	11·1	0·5	0·2	0·2	2·1	10	89	
CLYDEBANK, .	17·6	6·8	9·9	9·9	12·8	0·2	1·4	1·2	2·4	1	14	
KIRKCALDY, .	14·1	3·8	8·0	11·7	12·2	0·8	0·3	0·0	1·9	3	53	
COATBRIDGE, .	21·0	7·7	5·7	14·3	15·9	1·3	1·6	0·8	2·4	8	92	
KILMARNOCK,	19·8	13·8	11·9	13·7	11·0	0·9	0·0	0·0	0·9	4	61	
HAMILTON, .	30·9	5·0	6·7	15·6	18·0	0·6	0·3	0·3	3·7	12	160	
AYR,	14·3	4·4	10·8	20·0	14·9	1·3	1·0	0·6	2·2	5	89	
FALKIRK, . .	16·4	7·7	8·2	15·8	13·6	0·6	0·6	0·6	3·8	4	74	
DUNFERMLINE,	13·1	5·0	10·1	18·0	13·7	1·0	1·0	0·3	2·0	2	48	
PERTH, . . .	14·0	7·1	13·0	17·0	14·0	0·3	1·0	0·7	0·7	3	70	
TOTAL . . (SIXTEEN TOWNS)	17·5	6·6	9·1	15·7	14·6	0·6	0·9	0·7	2·9	353	91	

* Based on the average number of births registered monthly during the past 12 months.
† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR DECEMBER 1933, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
DEC. 1933, .	17·5	6·6	9·1	14·6	0	0	24	14	13	40	10	21	91	38°·9
DEC. 1932, .	18·3	5·3	8·9	13·0	3	1	14	72	28	280	16	10	129	42°·3
DEC. 1931, .	18·6	6·0	9·1	14·1	1	147	5	21	19	27	16	14	100	43°·0
DEC. 1930, .	20·3	6·1	10·1	16·6	0	8	5	43	40	42	9	23	136	39°·7
DEC. 1929, .	18·8	6·8	10·6	14·3	3	51	13	15	31	25	10	11	93	40°·9
DEC. 1928, .	19·5	6·7	10·0	14·1	0	2	6	23	24	49	10	22	96	38°·6
DEC. 1927, .	20·3	6·6	9·3	18·2	2	193	9	49	51	60	11	14	146	35°·7
DEC. 1926, .	20·6	6·4	8·6	14·9	2	12	21	18	39	42	11	21	118	40°·4
DEC. 1925, .	22·6	6·6	8·5	18·7	1	67	21	38	42	72	7	21	122	35°·1
DEC. 1924, .	21·3	7·1	9·7	16·7	4	96	34	166	29	111	6	14	125	44°·5
DEC. 1923, .	22·7	6·7	9·8	16·1	2	190	21	57	32	32	4	7	98	37°·8

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—December 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over		
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4	Measles -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
5	Scarlet Fever -	24	10	14	-	15	3	2	1	-	2	1	-	-	-	-		
6	Whooping-cough -	14	7	7	5	9	-	-	-	-	-	-	-	-	-	-		
7	Diphtheria -	13	3	10	-	3	5	2	1	-	1	-	1	-	-	-		
8	Influenza -	40	16	24	1	1	-	-	2	3	7	6	7	5	8	-		
14 (1)	Cerebro-spinal Fever -	10	4	6	4	-	-	1	-	1	3	1	-	-	-	-		
14 (2)	Other Epidemic Diseases (2, 3, 9)* -	21	6	15	6	1	-	-	-	2	2	2	5	3	-	-		
10	Tuberculosis of Respiratory System -	157	93	64	-	-	-	2	31	52	26	24	18	3	1	-		
11	Other Tuberculous Diseases -	40	22	18	4	3	3	1	9	5	3	5	1	4	2	-		
14 (3)	Other Infectious and Parasitic Dis. (12, 13) -	10	8	2	-	-	1	-	1	-	1	2	2	3	-	-		
15	Cancer, Malignant Disease -	332	170	162	-	-	1	-	2	13	19	49	90	111	46	1		
18	Diabetes Mellitus -	30	10	20	-	-	-	-	1	2	1	3	11	7	4	1		
20	Oth. Gen. Dis., Chron. Poisonings (16, 17, 19) -	66	23	43	2	4	5	5	6	5	4	9	9	11	4	2		
22	Cerebral Hæmorrhage, &c. -	334	133	201	-	-	-	1	1	2	6	25	62	134	93	10		
23	Oth. Dis. of Nervous Syst. & Sense Org. (21) -	84	50	34	20	6	5	4	4	3	9	12	12	6	3	-		
24	Heart Disease -	512	256	256	-	1	1	5	4	10	22	46	93	172	133	25		
25	Other Circulatory Diseases -	58	33	25	-	-	-	-	1	1	3	6	9	18	18	2		
26	Bronchitis -	235	122	113	17	5	-	-	1	5	10	24	39	74	41	19		
27	Pneumonia (all forms) -	320	188	132	69	38	6	4	16	13	24	44	34	48	19	5		
28	Other Respiratory Diseases -	52	22	30	1	2	-	-	-	2	3	5	8	11	17	3		
32 (1)	Gastric and Duodenal Ulcer -	16	13	3	-	-	-	-	1	1	4	2	4	3	1	-		
29	Diarrhœa, &c. (all ages) -	46	26	20	33	6	-	-	1	-	1	-	1	3	1	-		
30	Appendicitis -	22	15	7	1	1	5	1	2	3	3	3	1	1	1	-		
31 (1)	Cirrhosis of Liver -	8	6	2	-	-	-	-	-	-	1	1	4	2	-	-		
31 (2)	Other Diseases of Liver, &c. -	8	1	7	-	-	-	-	-	-	1	2	3	2	-	-		
32 (2)	Other Digestive Diseases -	65	36	29	5	4	1	3	4	6	3	9	8	16	4	2		
33	Acute and Chronic Nephritis -	81	40	41	1	2	1	1	1	4	5	17	22	19	6	2		
34	Other Dis. of Genito-Urinary System -	21	13	8	1	-	-	-	-	1	2	2	5	6	3	1		
35	Puerperal Sepsis -	19	-	19	-	-	-	-	3	10	6	-	-	-	-	-		
36	Other Puerperal Causes -	6	-	6	-	-	-	-	1	5	-	-	-	-	-	-		
37	Diseases of Skin and Locomotor System -	25	16	9	6	-	4	1	2	1	1	-	3	4	3	-		
38	Congen. Debil., Prem. Birth, Malform., &c. -	170	101	69	164	3	2	1	-	-	-	-	-	-	-	-		
39	Old Age -	95	35	60	-	-	-	-	-	-	-	-	-	12	53	30		
40	Suicide -	24	17	7	-	-	-	-	-	2	6	7	6	3	-	-		
42	Other Violence (41) -	88	64	24	7	6	7	2	10	5	3	10	9	17	10	2		
43	Causes Ill-defined or Unknown -	58	39	19	6	1	-	1	1	1	4	5	14	18	7	-		
	ALL CAUSES -	3104	1598	1506	353	111	50	37	107	158	186	322	481	716	478	105		

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—December 1933.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...	...
5	Scarlet Fever	24	8	4	3	...	4	...	...	...
6	Whooping-cough	14	7	...	1	1	...	...	2	1
7	Diphtheria	13	8	...	...	2	1	1	...	...
8	Influenza	40	19	6	4	...	...	1	1	...
14 (1)	Cerebro-spinal Fever	10	3	2	1	...	2	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	21	6	8	...	2	...	1	...	...
10	Tuberculosis of Respiratory System ...	157	92	28	8	5	5	2	1	5
11	Other Tuberculous Diseases	40	19	4	2	1	1	4	...	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	10	3	2	2	1	1	1	...	...
15	Cancer, Malignant Disease	332	165	60	23	17	3	17	7	6
18	Diabetes Mellitus	30	12	9	2	1	1	...	1	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	66	27	17	6	2	2	2	1	1
22	Cerebral Hæmorrhage, &c.	334	148	70	13	25	13	13	2	5
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	84	34	12	5	4	4	8	2	...
24	Heart Disease	512	231	110	30	32	17	14	9	13
25	Other Circulatory Diseases	58	26	13	3	4	3	1	1	...
26	Bronchitis	235	134	33	17	10	4	9	5	3
27	Pneumonia (all forms)	320	166	58	22	10	14	5	7	5
28	Other Respiratory Diseases	52	29	11	3	2	...	...	...	2
32 (1)	Gastric and Duodenal Ulcer	16	4	5	3	1	...	...	1	...
29	Diarrhœa, &c. (all Ages)	46	25	4	4	5	2	3	1	...
30	Appendicitis	22	9	2	1	4	2	1	1	1
31 (1)	Cirrhosis of Liver	8	4	3	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	8	2	5	...	...	...	...	...	...
32 (2)	Other Digestive Diseases	65	23	12	10	7	1	1	1	...
33	Acute and Chronic Nephritis	81	32	15	4	6	10	5	1	...
34	Oth. Diseases of Genito-Urinary System	21	5	7	2	1	...	...	2	...
35	Puerperal Sepsis	19	11	1	3	1	1	...	...	...
36	Other Puerperal Causes	6	4	...	...	...	...	...	1	...
37	Dis. of Skin, and of Locomotor System	25	4	7	3	2	2	...	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	170	79	26	16	7	5	3	8	2
39	Old Age	95	35	14	10	3	...	6	3	5
40	Suicide	24	5	6	5	2	1	...	...	1
42	Other Violence (41)	88	46	12	4	6	2	4	2	...
43	Causes Ill-defined or Unknown	58	39	4	1	1	2	...	1	2
	All Causes	3104	1464	570	211	165	103	102	62	53
	AGE AT DEATH.									
	Under 1	353	172	51	32	21	10	15	10	1
	1- 4	111	40	21	9	4	8	2	7	2
	5- 9	50	19	7	3	5	4	4	1	1
	10-14	37	21	6	3	1	1	1	1	...
	15-24	107	51	19	4	6	2	3	2	4
	25-34	158	73	27	15	6	8	2	1	3
	35-44	186	84	31	11	8	10	12	3	4
	45-54	322	163	53	25	16	13	3	6	8
	55-64	481	256	86	23	22	11	15	12	8
	65-74	716	331	141	48	40	19	30	10	12
	75-84	478	210	105	32	28	14	12	8	7
	85 and over	105	44	23	6	8	3	3	1	3
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	3104	1464	570	211	165	103	102	62	53

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—December 1933—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Kirkcaldy.	Coatbridge.	Kilmarnock.	Hamilton.	Ayr.	Falkirk.	Dunfermline.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	1	2	...	...	1	1	...
6	Whooping-cough ... ..	...	...	...	...	2	...	...	...
7	Diphtheria ... ..	...	...	...	...	1	...	...	...
8	Influenza... ..	2	3	...	1	...	1	1	1
14 (1)	Cerebro-spinal Fever	1	...	...	...	1	...	...	...
14 (2)	Other Epidemic Diseases (2, 3, 9)*	...	1	1	1	...	...	1	...
10	Tuberculosis of Respiratory System ...	...	3	...	1	2	2	1	2
11	Other Tuberculous Diseases	1	3	...	...	1	...	2	1
14 (3)	Oth. Infectious and Parasitic Dis. (12, 13)	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	5	7	2	5	5	1	3	6
18	Diabetes Mellitus	1	...	2	1	...	...	...	...
20	Oth. Gen. Dis., Chron. Poison. (16, 17, 19)	1	1	1	...	...	1	3	1
22	Cerebral Hæmorrhage, &c.	8	5	5	7	8	2	6	4
23	Oth. Dis. of Nerv. Syst. and Sense Org. (21)	...	3	2	2	2	3	...	3
24	Heart Disease	5	10	10	6	4	8	7	6
25	Other Circulatory Diseases ... ..	...	...	...	...	...	2	1	4
26	Bronchitis	4	5	...	4	2	2	2	1
27	Pneumonia (all forms)	2	4	3	8	5	9	2	...
28	Other Respiratory Diseases	1	...	...	...	...	1	2	1
32 (1)	Gastric and Duodenal Ulcer	1	1	...	...	...	...	...	...
29	Diarrhœa, &c. (all Ages) ... ..	...	...	...	1	1	...	...	...
30	Appendicitis ... ..	...	...	...	1	...	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	1	...
31 (2)	Other Diseases of Liver, &c.	1	...	...	...	...	...	...	...
32 (2)	Other Digestive Diseases ... ..	...	...	1	5	...	2	1	1
33	Acute and Chronic Nephritis	1	...	...	1	3	...	2	1
34	Oth. Diseases of Genito-Urinary System	1	...	...	...	2	1	...	...
35	Puerperal Sepsis ... ..	...	...	...	2	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	1	...	...	...
37	Dis. of Skin, and of Locomotor System	2	1	2	...	...	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	3	5	...	7	4	1	1	3
39	Old Age	5	3	1	...	2	2	2	4
40	Suicide ... ..	...	...	1	1	...	...	1	1
42	Other Violence (41)	1	2	3	2	1	2	1	...
43	Causes Ill-defined or Unknown ... ..	...	1	...	3	...	1	1	2
	All Causes	46	59	36	59	47	43	42	42
	AGE AT DEATH.								
	Under 1	3	8	4	12	5	4	2	3
	1- 4	1	4	2	1	5	2	2	1
	5- 9	2	...	2	1	...	1	...	...
	10-14 ... ..	...	1	...	1	...	...	...	1
	15-24	2	2	2	4	2	1	3	...
	25-34	1	5	1	5	5	2	1	3
	35-44	2	4	3	5	3	1	2	3
	45-54	5	7	4	7	3	1	4	4
	55-64	4	8	3	8	7	8	5	5
	65-74	15	11	7	9	8	14	11	10
	75-84	7	7	6	5	9	7	11	10
	85 and over	4	2	2	1	...	2	1	2
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	46	59	36	59	47	43	42	42

* See note (+), Table III.

EDINBURGH
GREAT BRITAIN
OFFICIAL PAID
15 JAN 34

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of DECEMBER 1933.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	feet.	inch.	Mean of	Mean of A and B (Mean Tem- perature).		Difference from Average.	Absolute Maximum and Minimum.			Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.		Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				Maximum (A.)	Minimum (B.)		Day of Month.	Maximum.	Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.		Vapour Pressure.	Humidity.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																
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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.

At 9 A.M. only.